

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082520\
 Data File : VD066397.D
 Acq On : 25 Aug 2020 12:51
 Operator : VA/SY
 Sample : VD0825SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/26/2020 4:23:04 PM

Quant Time: Aug 26 08:19:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	221795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	317508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	297942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	158082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	117710	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.91	113	100753	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	10.33	98	363023	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.63	95	127929	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	36524	19.370	ug/l	95
3) Chloromethane	2.20	50	24262	18.152	ug/l	97
4) Vinyl Chloride	2.34	62	25341	17.659	ug/l	96
5) Bromomethane	2.75	94	19842	18.486	ug/l	91
6) Chloroethane	2.91	64	17085	18.593	ug/l	90
7) Trichlorofluoromethane	3.26	101	73713	18.890	ug/l	95
8) Diethyl Ether	3.71	74	16125	18.443	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	35689	18.532	ug/l	99
10) Methyl Iodide	4.29	142	32301	14.706	ug/l	99
11) Tert butyl alcohol	5.20	59	24200m	182.251	ug/l	
12) 1,1-Dichloroethene	4.06	96	32543	18.002	ug/l	89
13) Acrolein	3.91	56	8372	86.702	ug/l	98
14) Allyl chloride	4.71	41	42238	17.506	ug/l	96
15) Acrylonitrile	5.43	53	36131	102.996	ug/l	94
16) Acetone	4.16	43	36637	93.456	ug/l	99
17) Carbon Disulfide	4.40	76	94576	17.263	ug/l	96
18) Methyl Acetate	4.71	43	15083	20.500	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	87100	20.010	ug/l #	84
20) Methylene Chloride	4.96	84	44438	17.038	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	37260	17.707	ug/l	97
22) Diisopropyl ether	6.36	45	88027	18.843	ug/l	96
23) Vinyl Acetate	6.30	43	278296	96.231	ug/l	99
24) 1,1-Dichloroethane	6.26	63	60236	18.246	ug/l	98
25) 2-Butanone	7.21	43	44545	100.092	ug/l	98
26) 2,2-Dichloropropane	7.20	77	67247	19.006	ug/l	100
27) cis-1,2-Dichloroethene	7.20	96	41570	18.437	ug/l	97
28) Bromochloromethane	7.53	49	19460	17.113	ug/l	92
29) Tetrahydrofuran	7.56	42	26163	103.502	ug/l	96
30) Chloroform	7.71	83	72387	18.952	ug/l	96
31) Cyclohexane	7.98	56	52699	17.454	ug/l #	94
32) 1,1,1-Trichloroethane	7.89	97	74153	18.969	ug/l	99
36) 1,1-Dichloropropene	8.11	75	50315	17.368	ug/l	99
37) Ethyl Acetate	7.29	43	19540	19.831	ug/l #	92
38) Carbon Tetrachloride	8.08	117	72469	19.200	ug/l	93

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Manual Integrations
 APPROVED

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 8/26/2020 4:23:04 PM

Quant Time: Aug 26 08:19:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60498	17.727	ug/l	99
40) Benzene	8.34	78	141235	18.532	ug/l	95
41) Methacrylonitrile	7.53	41	12463m	20.511	ug/l	
42) 1,2-Dichloroethane	8.42	62	55363	20.625	ug/l	100
43) Isopropyl Acetate	8.44	43	38603	19.519	ug/l	100
44) Trichloroethene	9.11	130	45925	18.545	ug/l	86
45) 1,2-Dichloropropane	9.38	63	32302	18.696	ug/l	93
46) Dibromomethane	9.47	93	21265	19.768	ug/l	99
47) Bromodichloromethane	9.66	83	58015	19.610	ug/l	96
48) Methyl methacrylate	9.45	41	18536	18.175	ug/l	92
49) 1,4-Dioxane	9.46	88	5052	404.446	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	95432	99.748	ug/l	100
52) Toluene	10.40	92	98200	19.019	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	55534	19.783	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	60615	19.237	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	30093	20.664	ug/l	91
56) Ethyl methacrylate	10.66	69	32703	19.398	ug/l	96
57) 1,3-Dichloropropane	10.94	76	46684	19.380	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	72343	103.320	ug/l	96
59) 2-Hexanone	10.98	43	68794	101.940	ug/l	100
60) Dibromochloromethane	11.14	129	42282	19.261	ug/l	96
61) 1,2-Dibromoethane	11.24	107	27540	19.216	ug/l	99
64) Tetrachloroethene	10.87	164	40595	17.961	ug/l	91
65) Chlorobenzene	11.67	112	109663	18.500	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	45011	18.581	ug/l	98
67) Ethyl Benzene	11.74	91	198312	19.006	ug/l	99
68) m/p-Xylenes	11.85	106	148390	37.312	ug/l	97
69) o-Xylene	12.18	106	67904	18.354	ug/l	99
70) Styrene	12.20	104	123027	19.366	ug/l	100
71) Bromoform	12.36	173	27908	20.306	ug/l #	99
73) Isopropylbenzene	12.48	105	195731	18.483	ug/l	98
74) N-amyl acetate	12.29	43	35930	18.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	28877	19.089	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	24522m	22.050	ug/l	
77) Bromobenzene	12.76	156	51698	19.234	ug/l	98
78) n-propylbenzene	12.82	91	218128	17.964	ug/l	98
79) 2-Chlorotoluene	12.91	91	126825	18.288	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	168272	18.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	10523	20.085	ug/l	97
82) 4-Chlorotoluene	13.01	91	136223	18.540	ug/l	98
83) tert-Butylbenzene	13.23	119	144893	18.244	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	167958	18.702	ug/l	100
85) sec-Butylbenzene	13.40	105	195308	18.770	ug/l	99
86) p-Isopropyltoluene	13.52	119	185844	18.523	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93922	18.720	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96132	19.083	ug/l	100
89) n-Butylbenzene	13.85	91	160164	18.090	ug/l	99
90) Hexachloroethane	14.11	117	34796	17.556	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	83660	19.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6172	19.453	ug/l	100

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ClientSampleId :
VD0825SBSD01

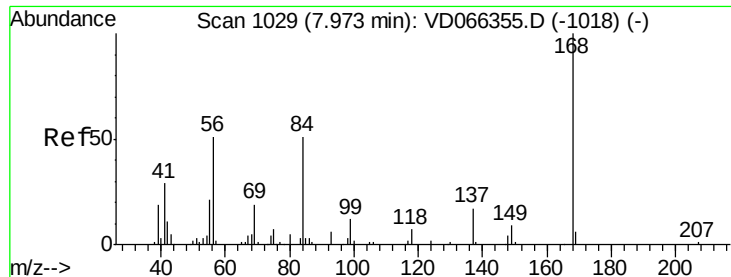
Manual Integrations
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8/26/2020 4:23:04 PM

Quant Time: Aug 26 08:19:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62976	18.676	ug/l	99
94) Hexachlorobutadiene	15.27	225	38582	18.412	ug/l	97
95) Naphthalene	15.41	128	100068	18.895	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	54085	18.724	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBSD01

Tot Ion:168 Resp: 221795

Ion Ratio Lower Upper

168 100

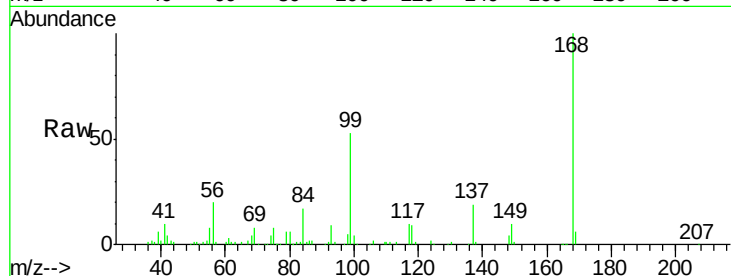
99 53.4 45.4 68.0

Manual Integrations

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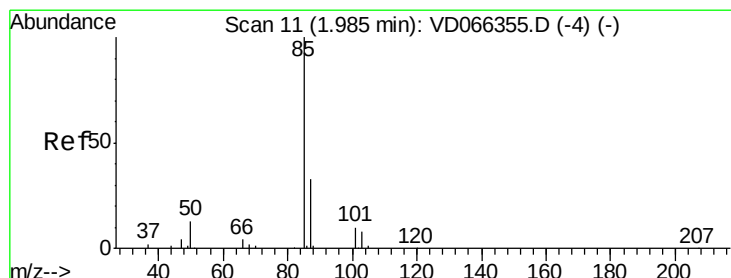
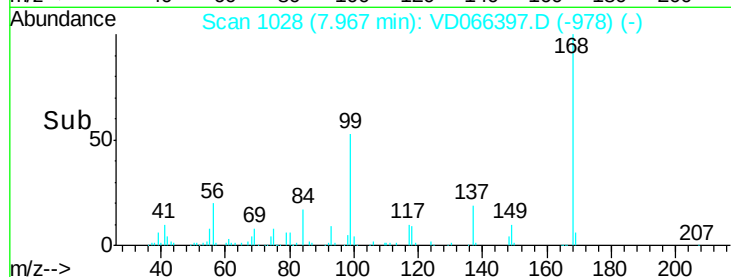
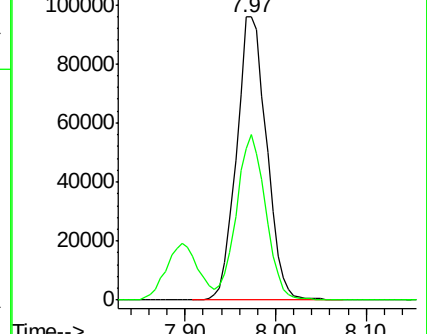
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.370 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066397.D

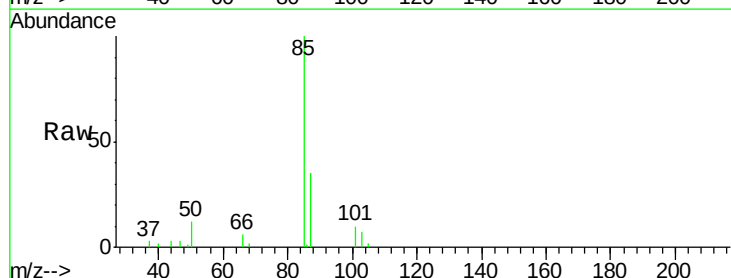
Acq: 25 Aug 2020 12:51

Tgt Ion: 85 Resp: 36524

Ion Ratio Lower Upper

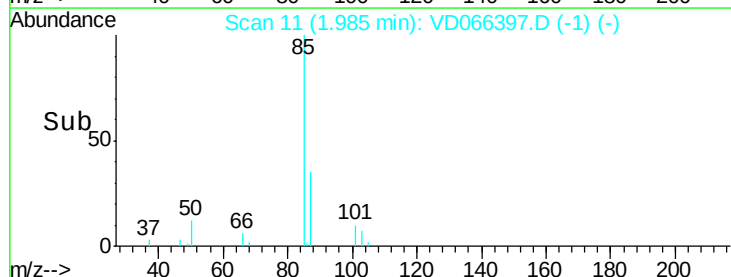
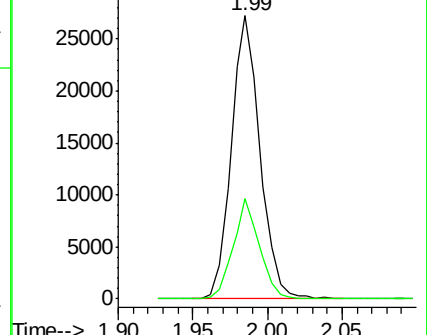
85 100

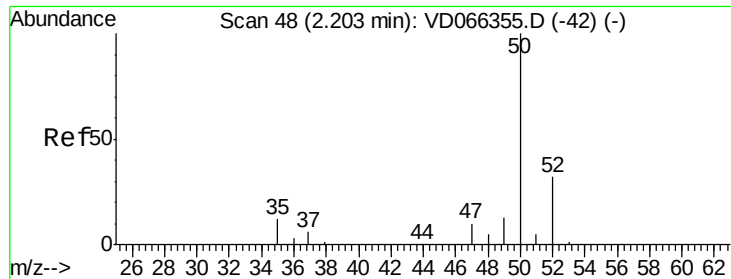
87 35.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.152 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 50 Resp: 24262

Ion Ratio Lower Upper

50 100

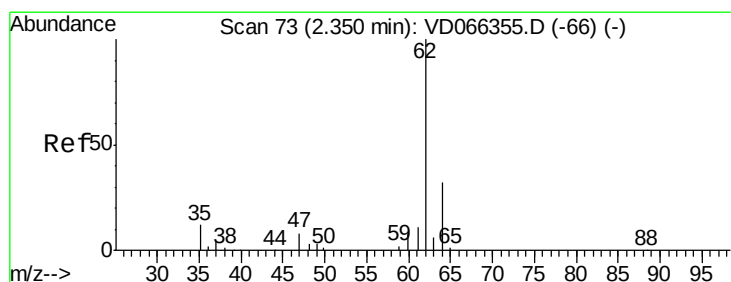
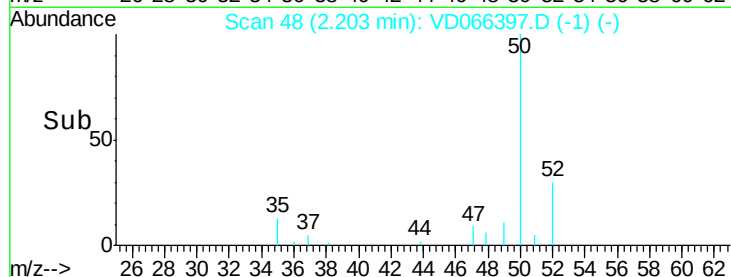
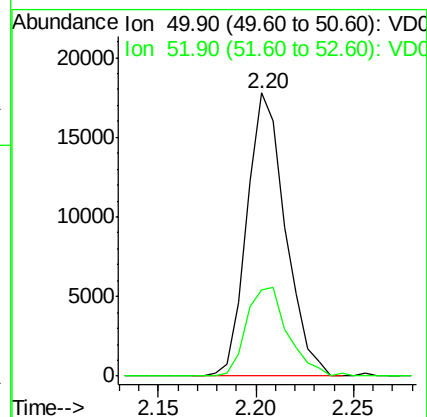
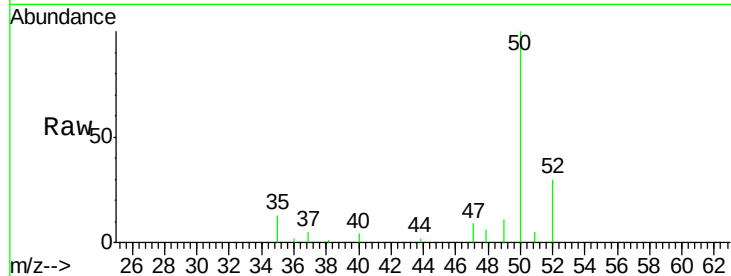
52 30.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.659 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066397.D

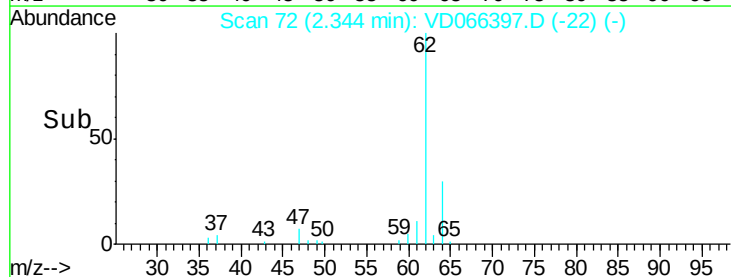
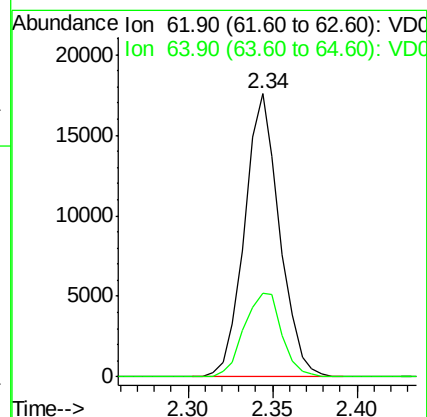
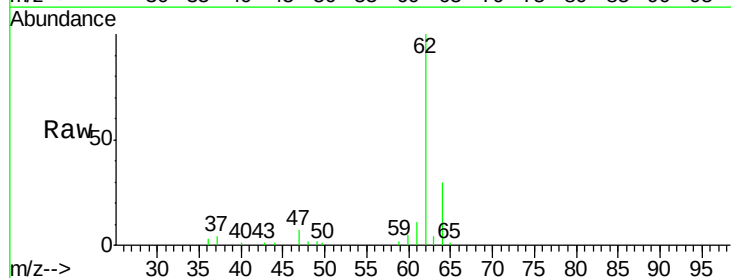
Acq: 25 Aug 2020 12:51

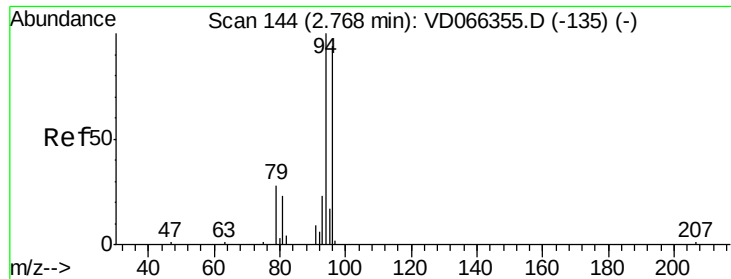
Tgt Ion: 62 Resp: 25341

Ion Ratio Lower Upper

62 100

64 29.6 25.4 38.2





#5

Bromomethane

Concen: 18.486 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 94 Resp: 19842

Ion Ratio Lower Upper

94 100

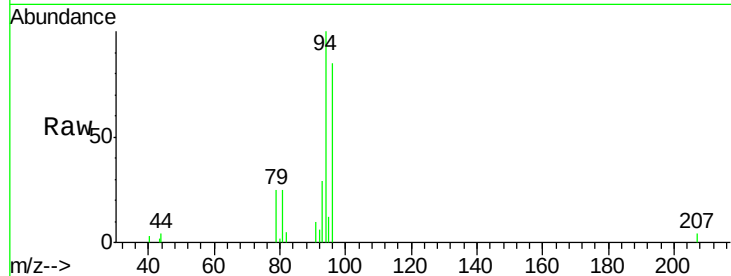
96 85.5 75.0 112.4

Manual Integrations

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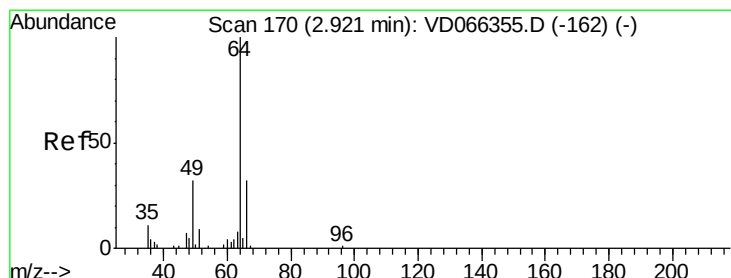
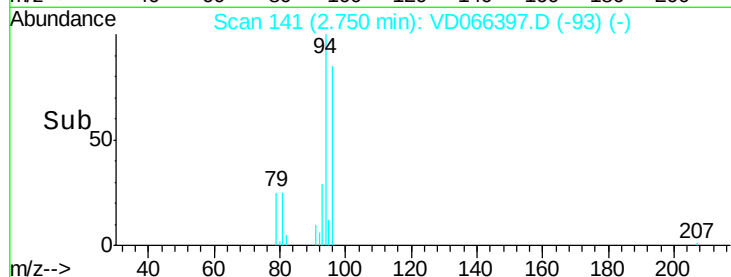
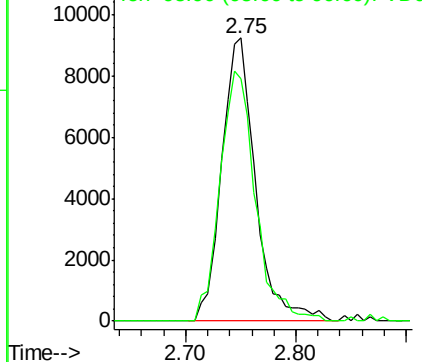
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.593 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD066397.D

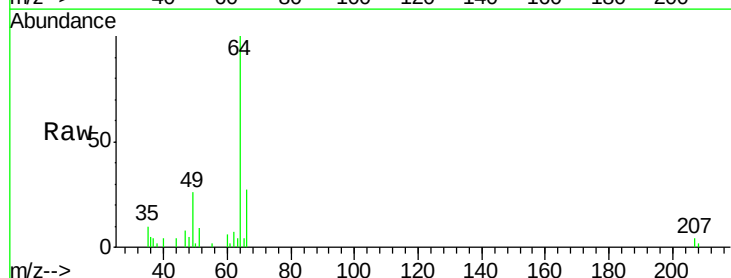
Acq: 25 Aug 2020 12:51

Tgt Ion: 64 Resp: 17085

Ion Ratio Lower Upper

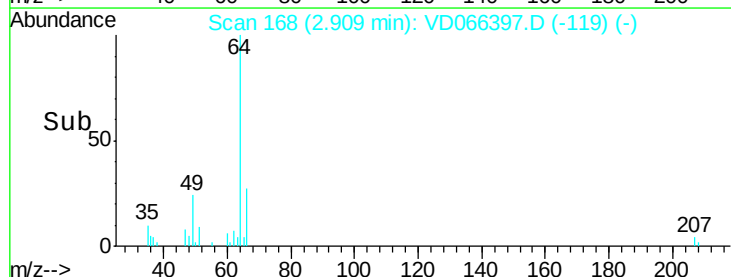
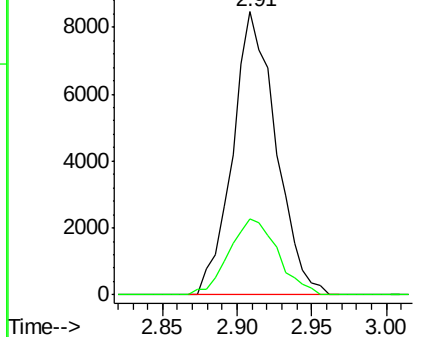
64 100

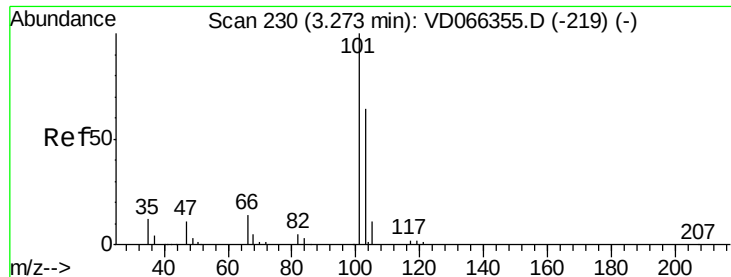
66 26.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

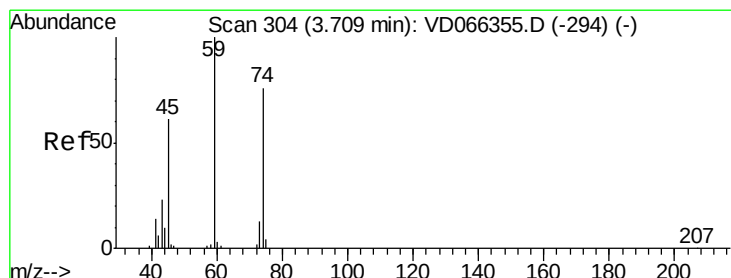
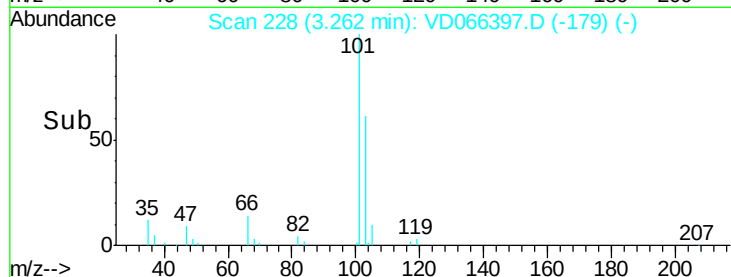
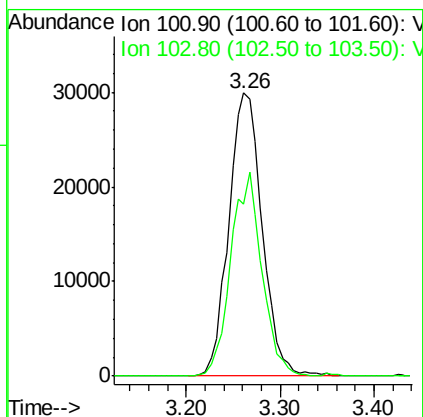
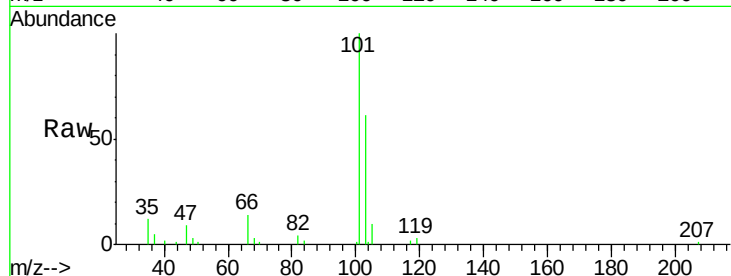
Trichlorofluoromethane
 Concen: 18.890 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD066397.D
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 VD0825SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.4	77.0

Manual Integrations
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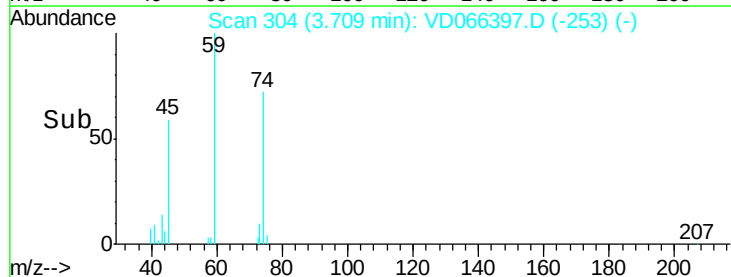
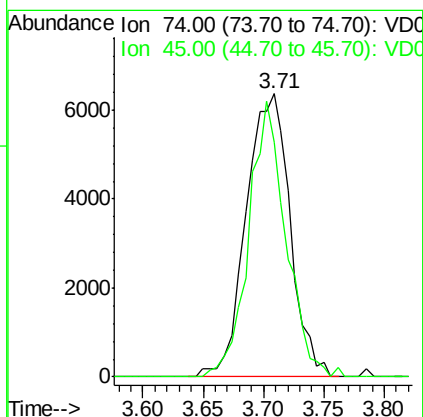
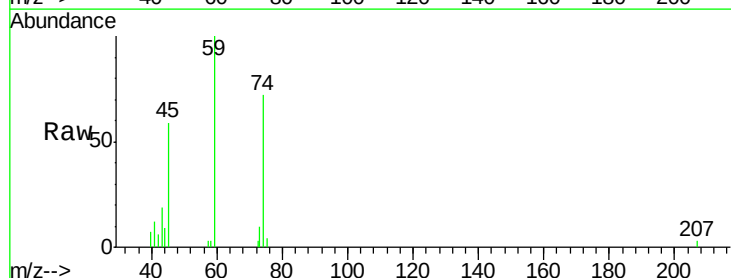
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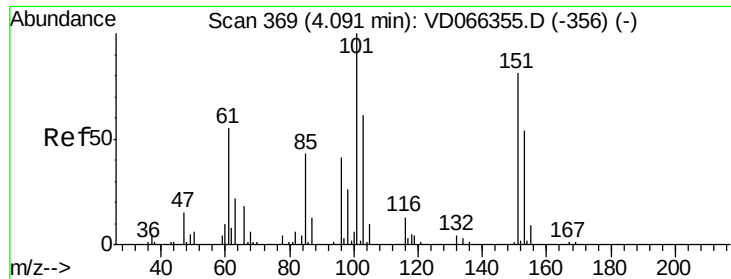


#8

Diethyl Ether
 Concen: 18.443 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.7	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.532 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066397.D

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Instrument :

MSVOA_D

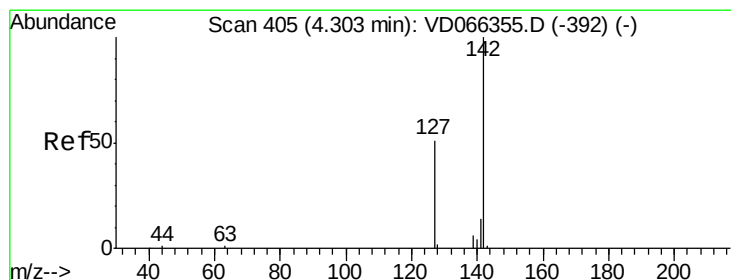
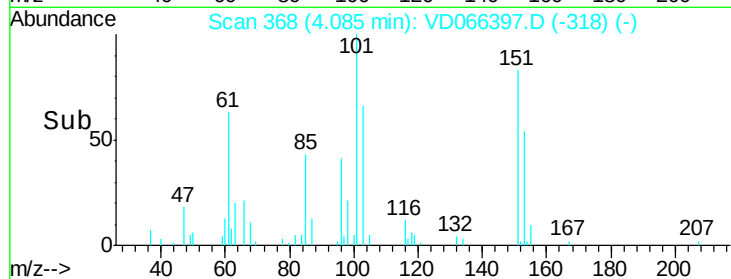
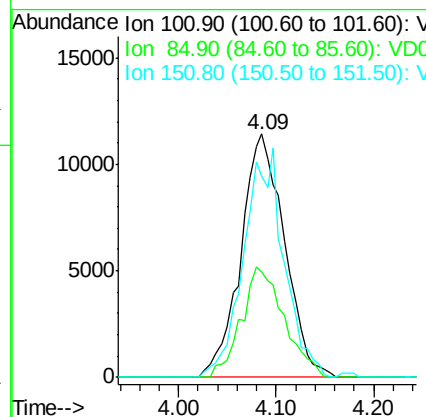
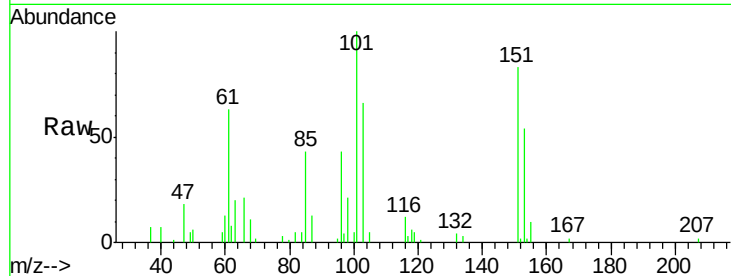
ClientSampleId :

VD0825SBS01

Tot Ion:	101	Resp:	35689
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.4	54.6
151	86.7	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 14.706 ug/l

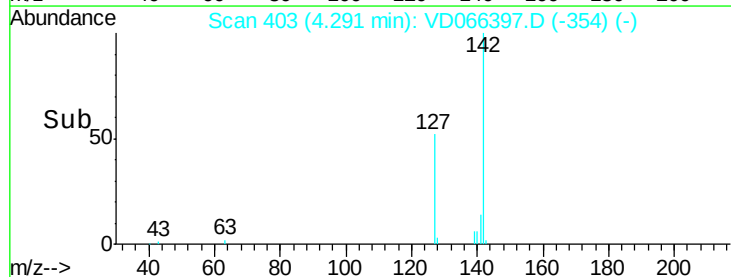
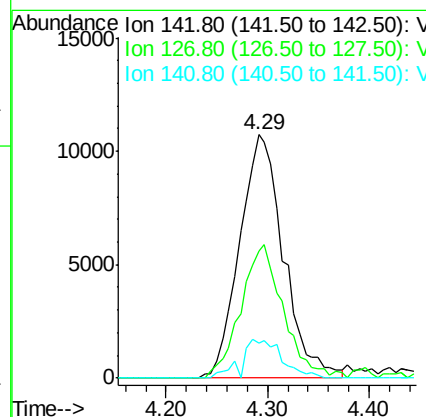
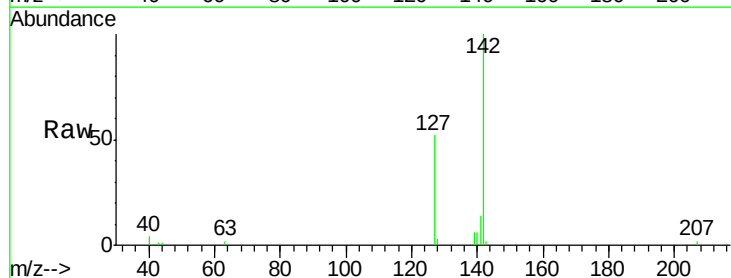
RT: 4.29 min Scan# 403

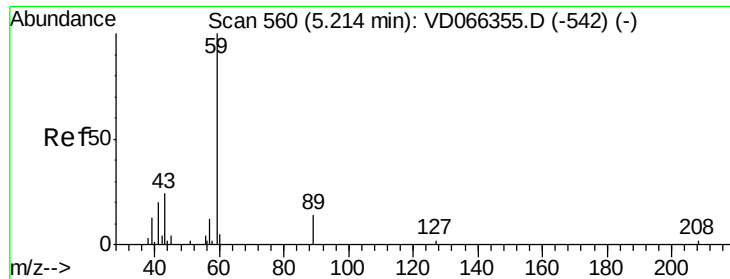
Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion:	142	Resp:	32301
Ion Ratio	Lower	Upper	
142	100		
127	53.0	41.8	62.8
141	14.5	11.8	17.6





#11

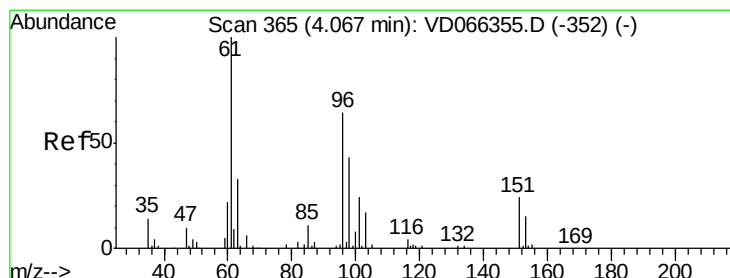
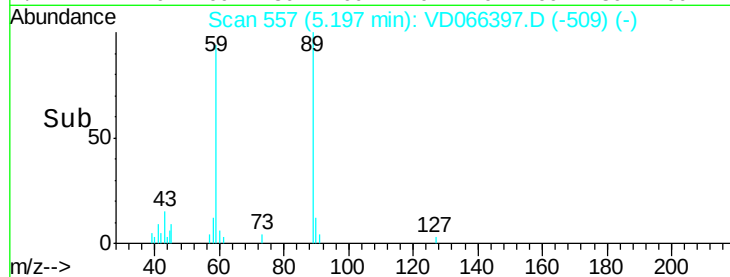
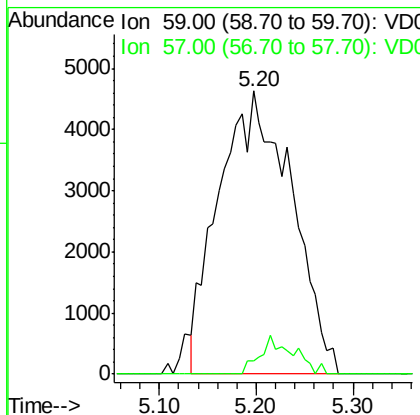
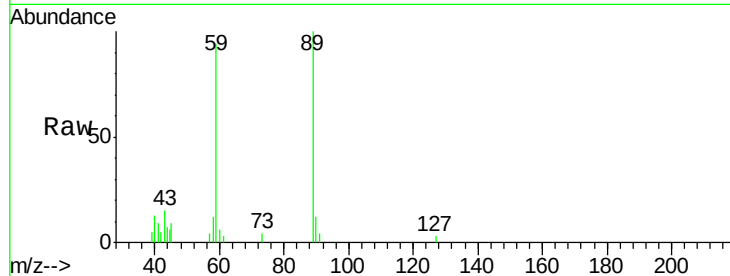
Tert butyl alcohol
 Concen: 182.251 ug/l m
 RT: 5.20 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24200		
57	0.0	9.0	13.4#	

Manual Integrations
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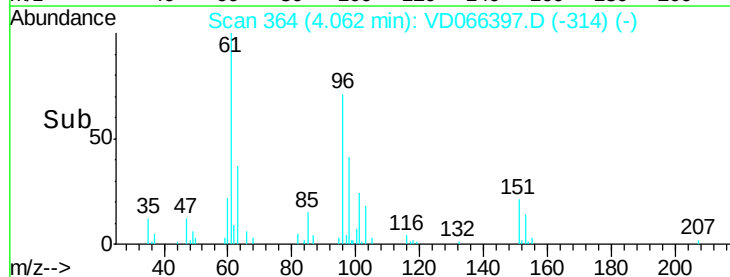
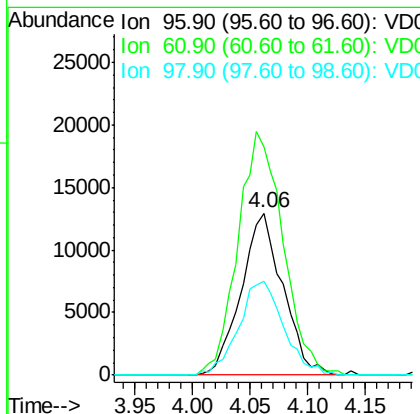
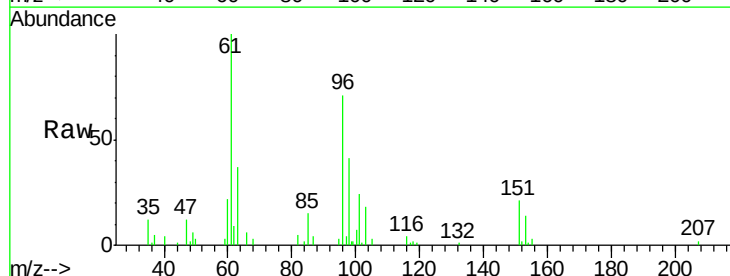
MMDadoda
 8/26/2020 4:23:04 PM

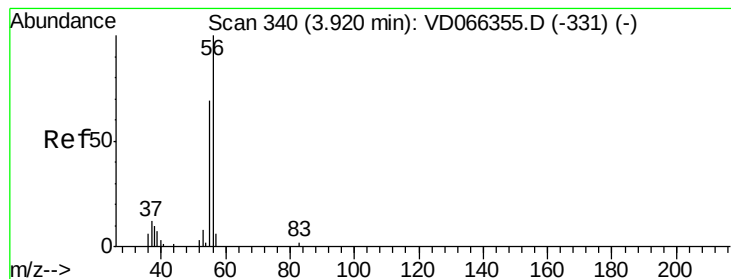


#12

1,1-Dichloroethene
 Concen: 18.002 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	32543		
61	141.4	124.3	186.5	
98	58.0	53.2	79.8	





#13

Acrolein

Concen: 86.702 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 56 Resp: 8372

Ion Ratio Lower Upper

56 100

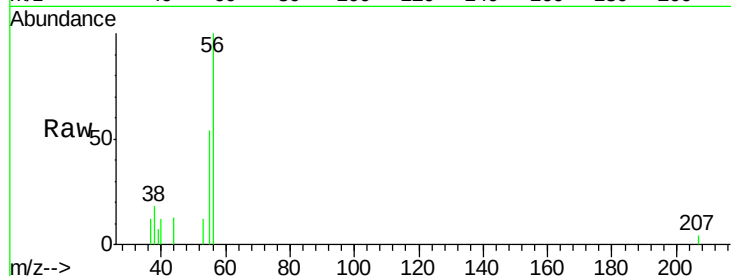
55 68.0 55.5 83.3

Manual Integrations

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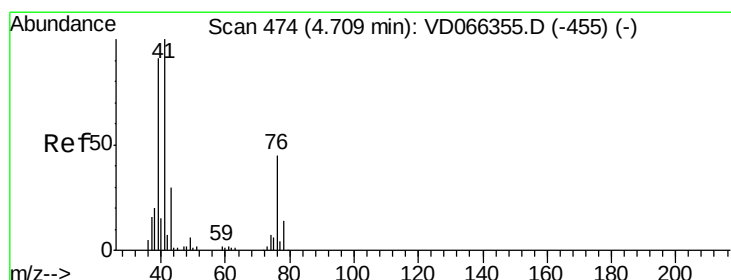
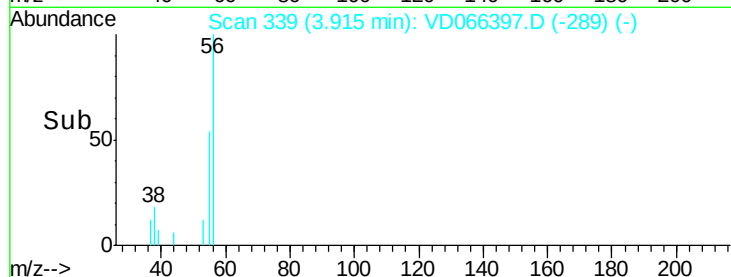
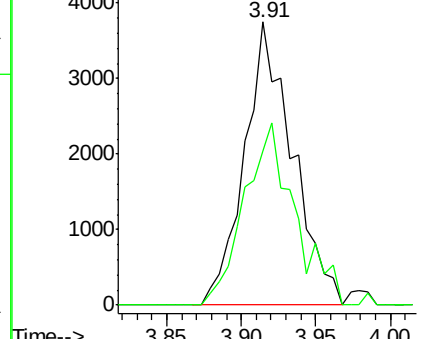
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.506 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

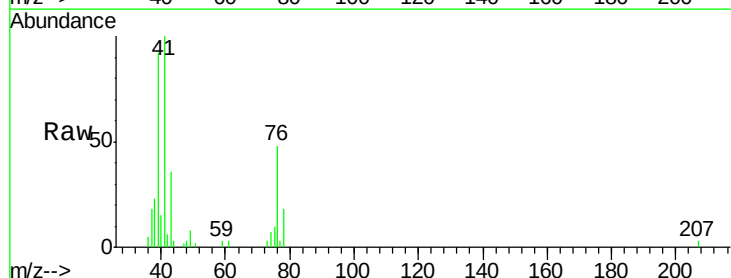
Tgt Ion: 41 Resp: 42238

Ion Ratio Lower Upper

41 100

39 93.9 72.8 109.2

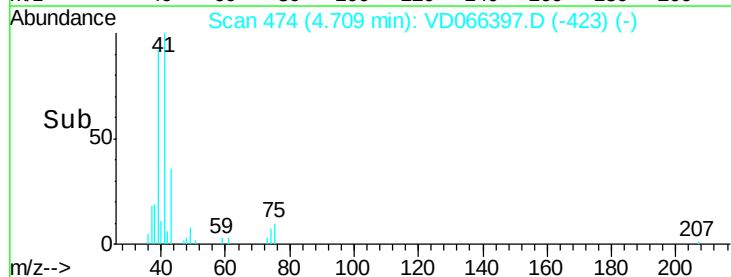
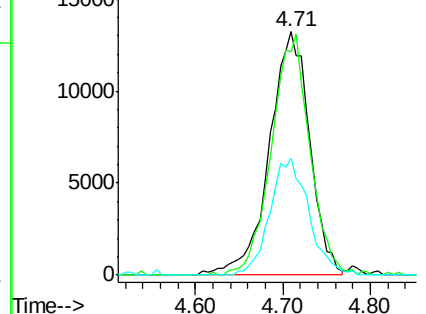
76 46.2 34.0 51.0

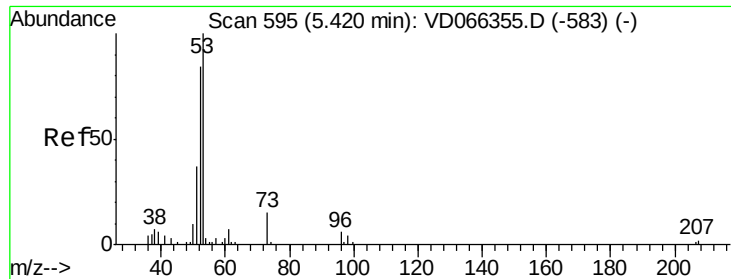


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 102.996 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

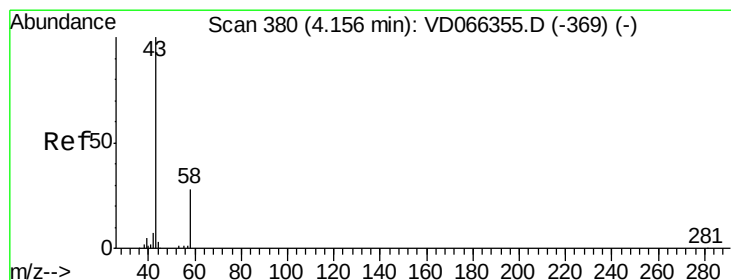
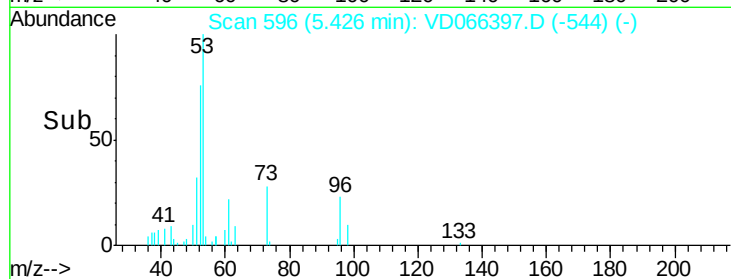
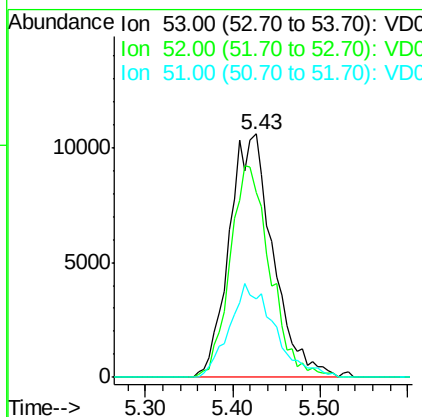
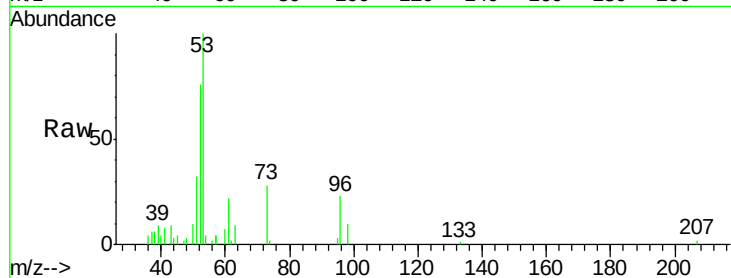
ClientSampleId :

VD0825SBS01

Tot Ion:	53	Resp:	36131
Ion Ratio	Lower	Upper	
53	100		
52	79.3	68.1	102.1
51	39.7	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 93.456 ug/l

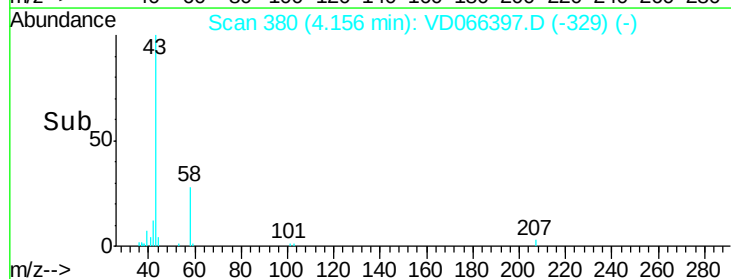
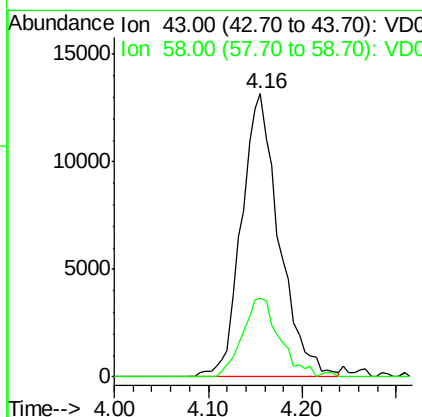
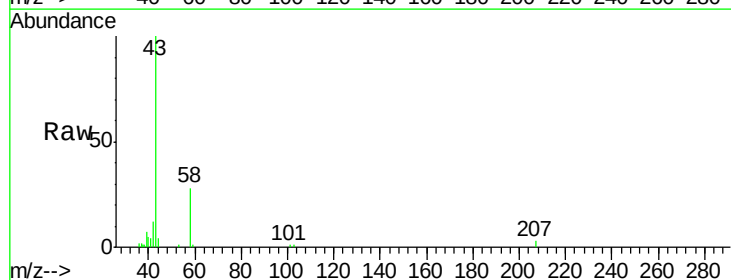
RT: 4.16 min Scan# 380

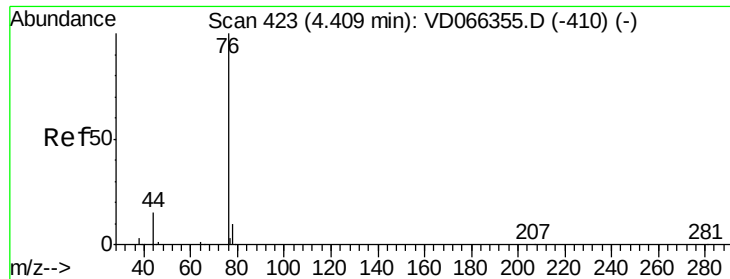
Delta R.T. 0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion:	43	Resp:	36637
Ion Ratio	Lower	Upper	
43	100		
58	27.7	22.7	34.1





#17

Carbon Disulfide

Concen: 17.263 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBSD01

Tot Ion: 76 Resp: 94576

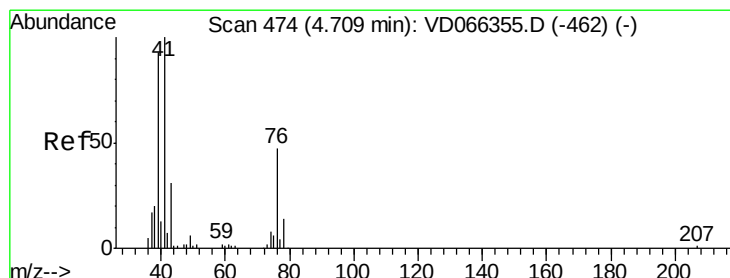
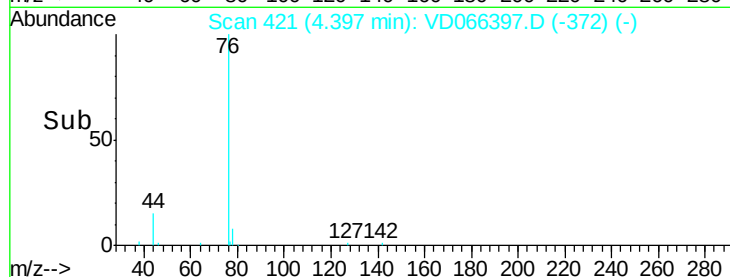
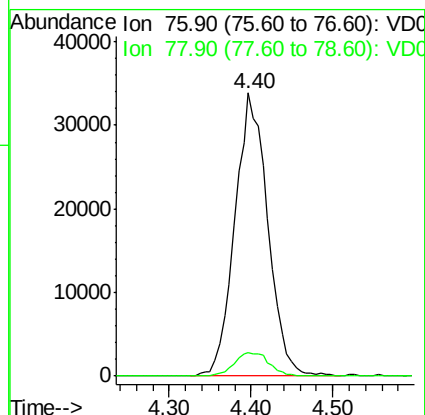
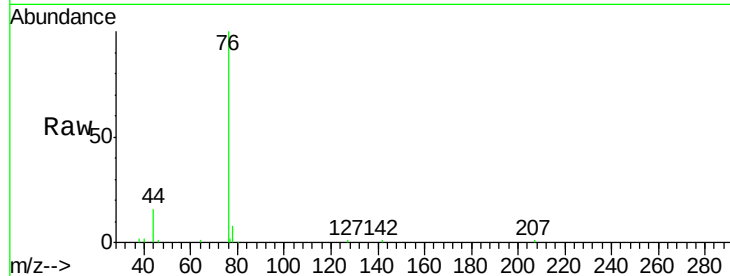
Ion Ratio Lower Upper

76 100

78 8.2 7.7 11.5

Manual Integrations
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#18

Methyl Acetate

Concen: 20.500 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066397.D

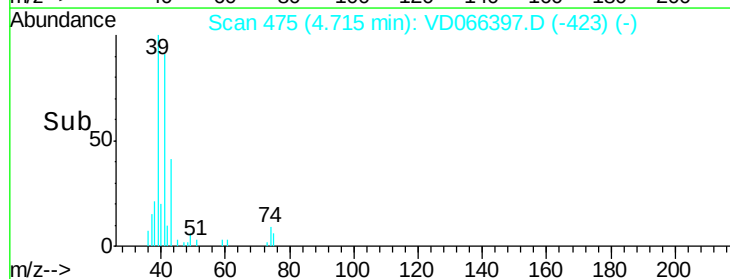
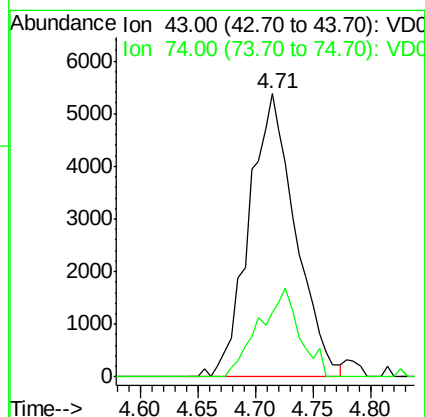
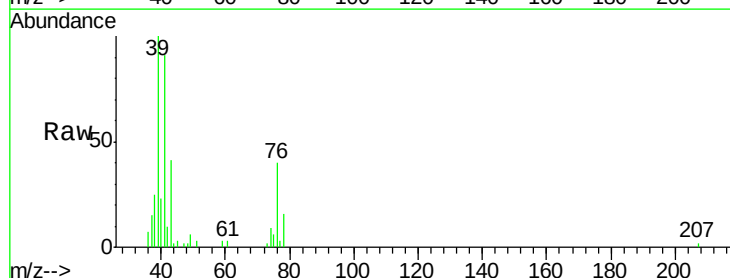
Acq: 25 Aug 2020 12:51

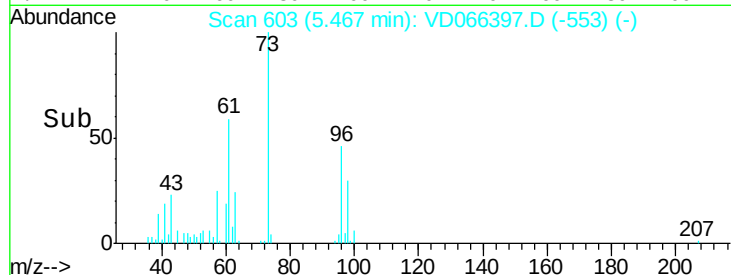
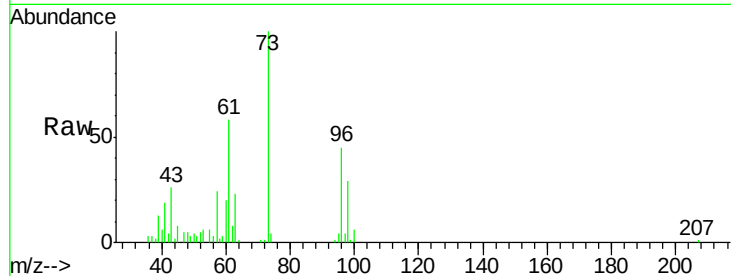
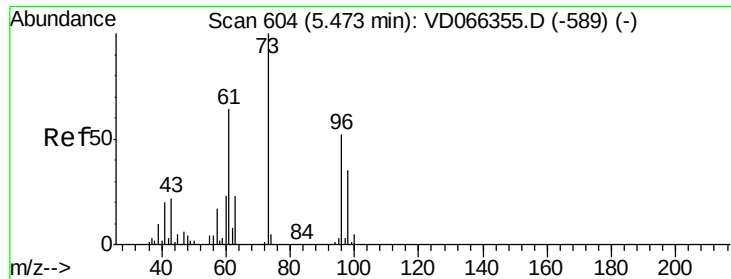
Tgt Ion: 43 Resp: 15083

Ion Ratio Lower Upper

43 100

74 27.3 21.0 31.6





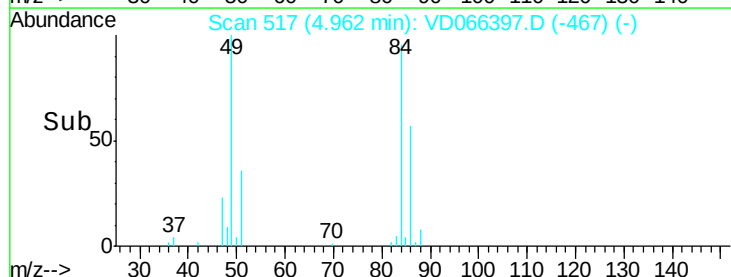
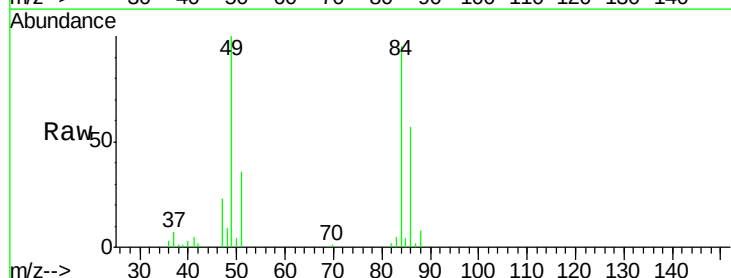
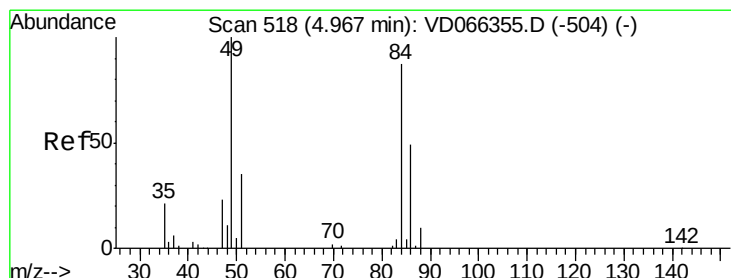
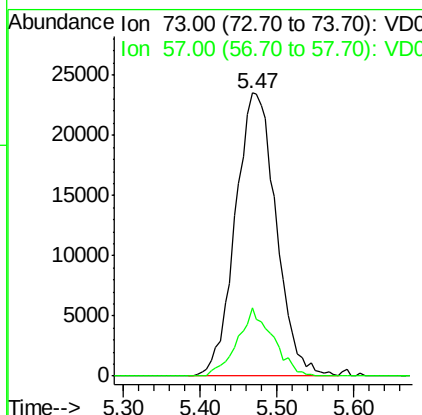
#19
Methyl tert-butyl Ether
Concen: 20.010 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tot Ion: 73 Resp: 87100
Ion Ratio Lower Upper
73 100
57 24.2 13.8 20.6#

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

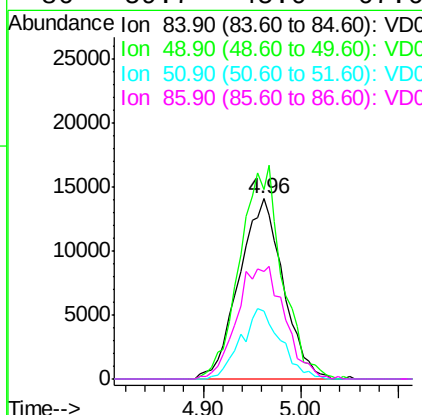
Manual Integrations
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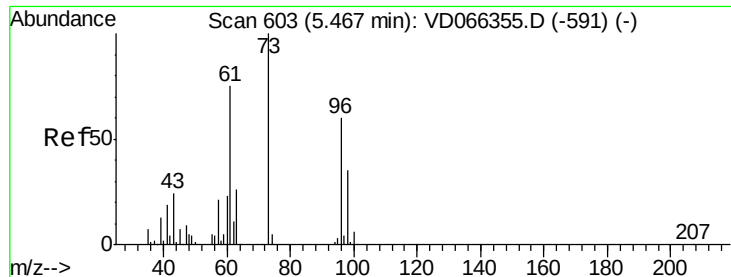
MMDadoda
8/26/2020 4:23:04 PM



#20
Methylene Chloride
Concen: 17.038 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion: 84 Resp: 44438
Ion Ratio Lower Upper
84 100
49 105.4 92.5 138.7
51 37.5 32.5 48.7
86 59.7 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 17.707 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

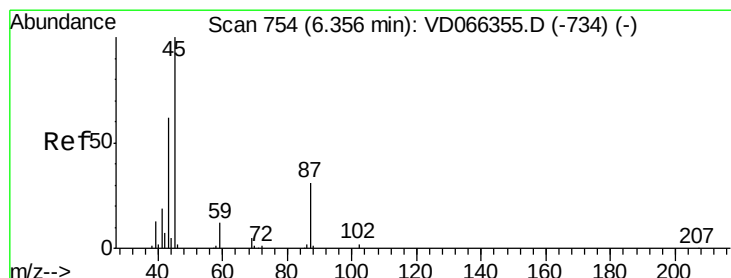
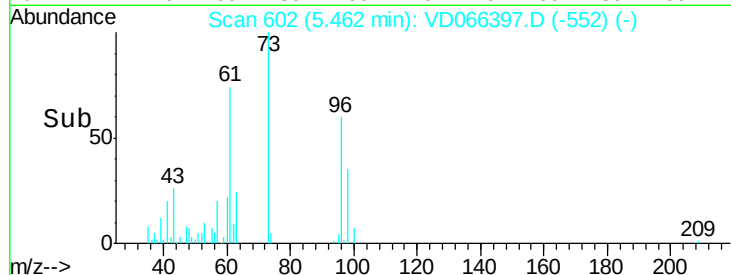
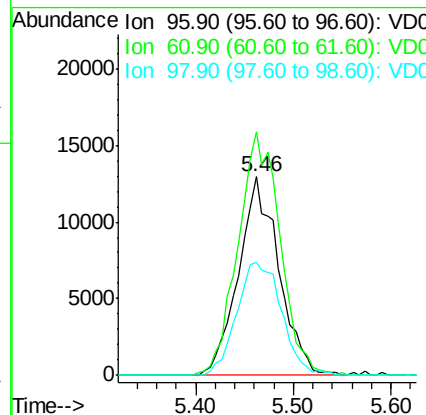
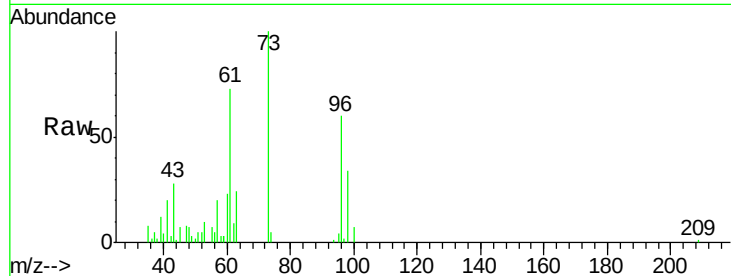
ClientSampleId :

VD0825SBS01

Tot Ion:	96	Resp:	37260
Ion	Ratio	Lower	Upper
96	100		
61	122.8	101.1	151.7
98	57.1	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.843 ug/l

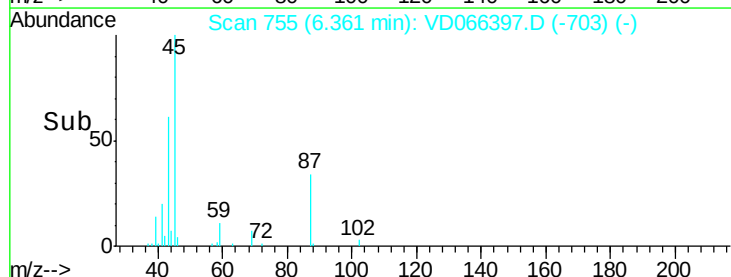
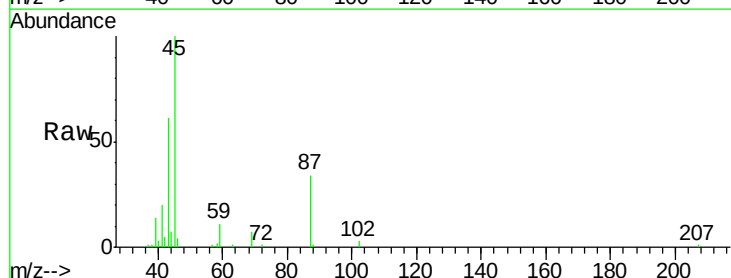
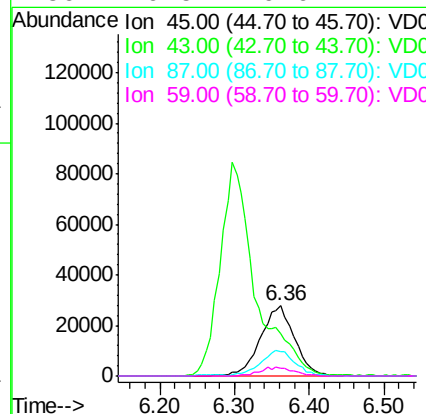
RT: 6.36 min Scan# 755

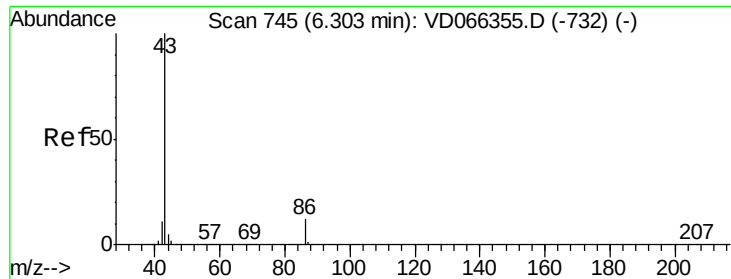
Delta R.T. 0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion:	45	Resp:	88027
Ion	Ratio	Lower	Upper
45	100		
43	59.0	49.8	74.8
87	33.9	25.0	37.6
59	10.5	9.6	14.4





#23

Vinyl Acetate

Concen: 96.231 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 43 Resp: 278296

Ion Ratio Lower Upper

43 100

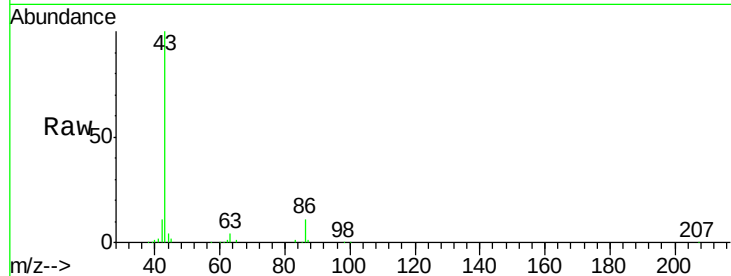
86 11.1 9.4 14.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

80000

60000

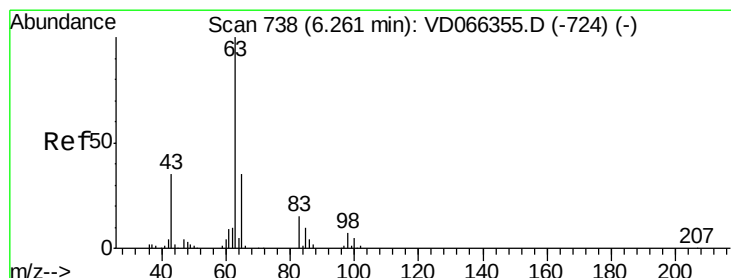
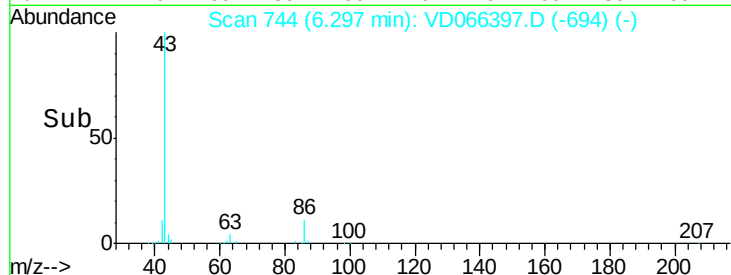
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 18.246 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

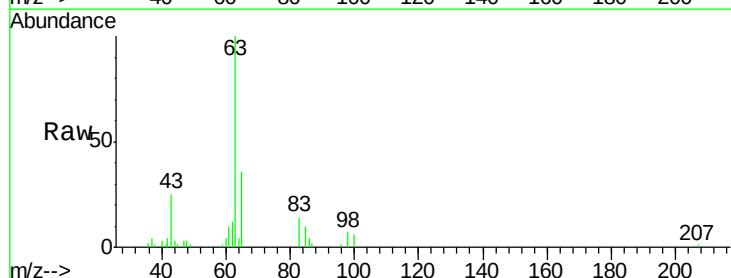
Tgt Ion: 63 Resp: 60236

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 5.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

25000

20000

15000

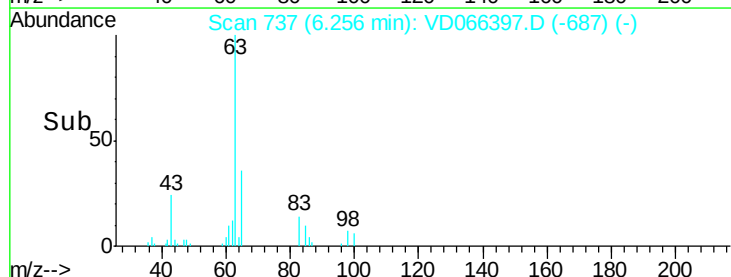
10000

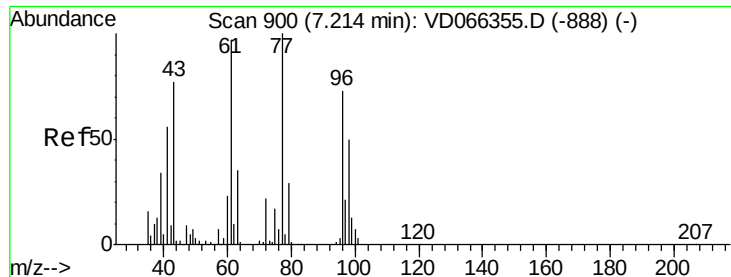
5000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 100.092 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 43 Resp: 44545

Ion Ratio Lower Upper

43 100

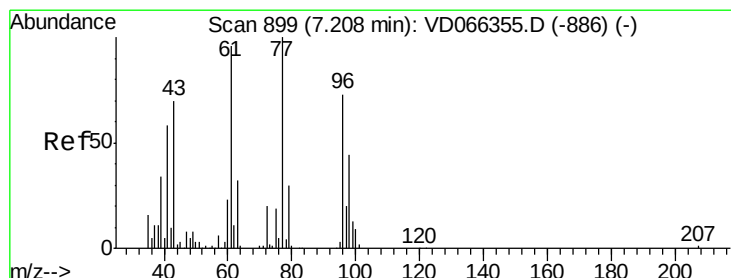
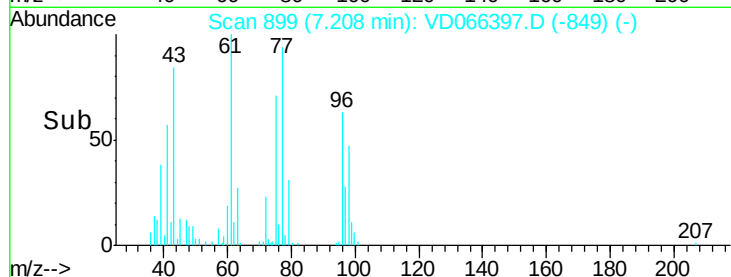
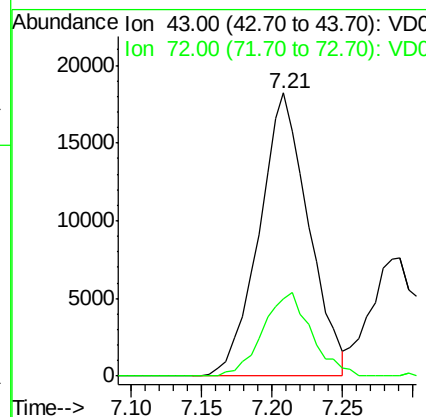
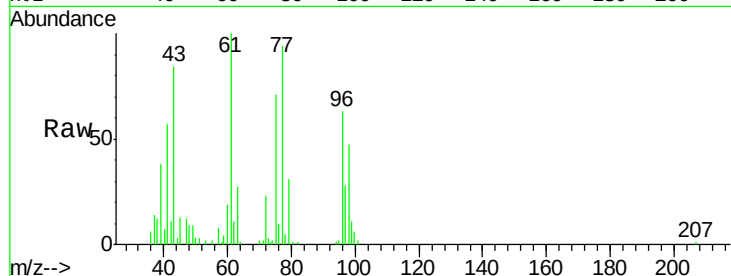
72 27.2 22.5 33.7

Manual Integrations

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MMDadoda

8/26/2020 4:23:04 PM



#26

2,2-Dichloropropane

Concen: 19.006 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066397.D

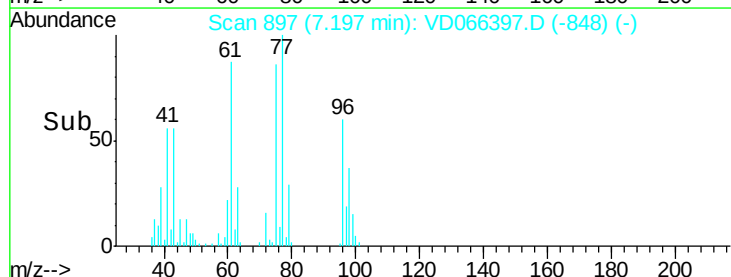
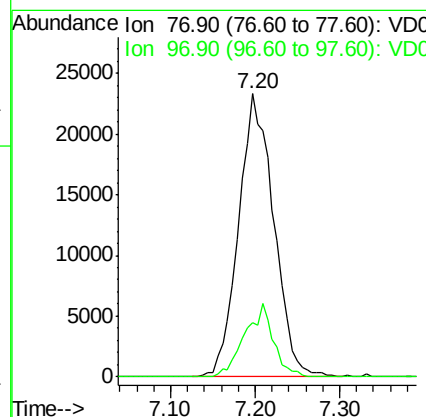
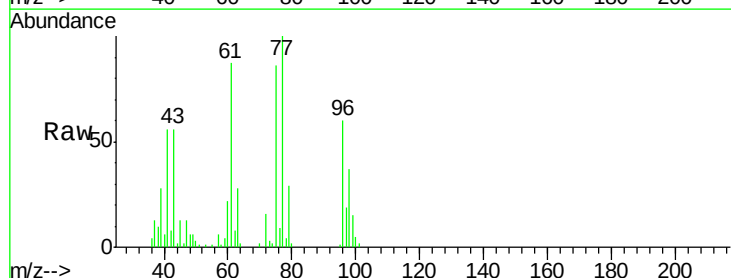
Acq: 25 Aug 2020 12:51

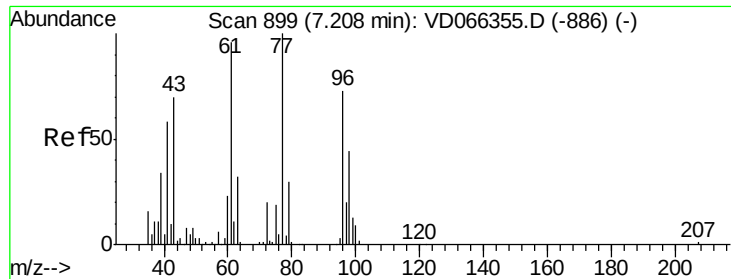
Tgt Ion: 77 Resp: 67247

Ion Ratio Lower Upper

77 100

97 21.1 10.7 31.9





#27

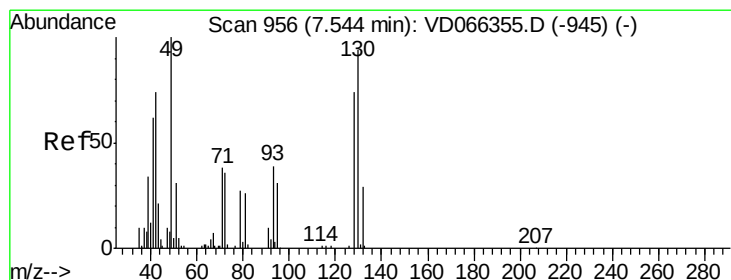
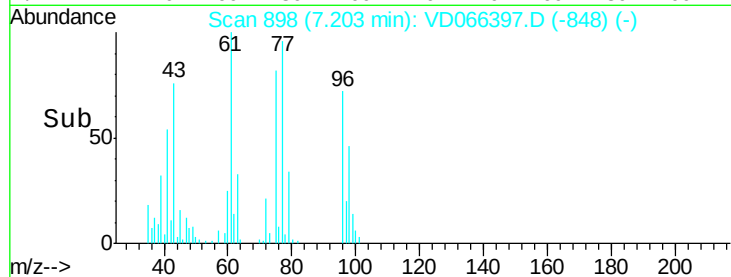
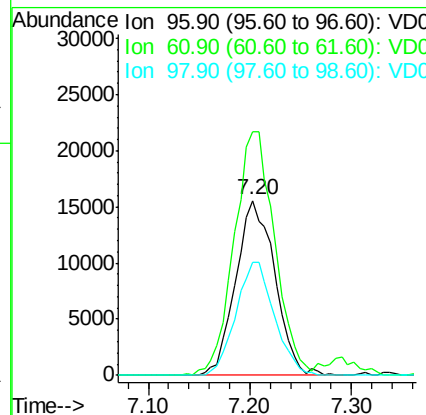
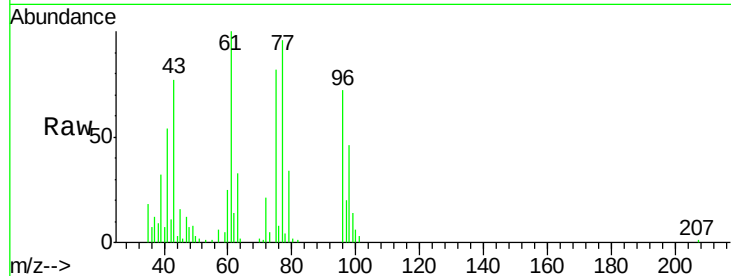
cis-1,2-Dichloroethene
 Concen: 18.437 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	41570		
61	144.8		0.0	281.4
98	63.6		0.0	132.2

Manual Integrations
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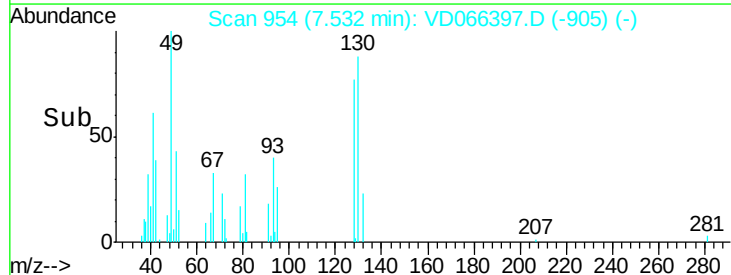
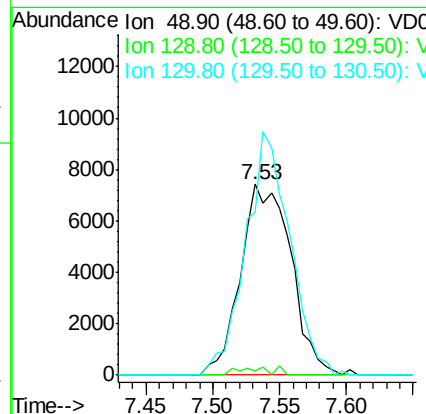
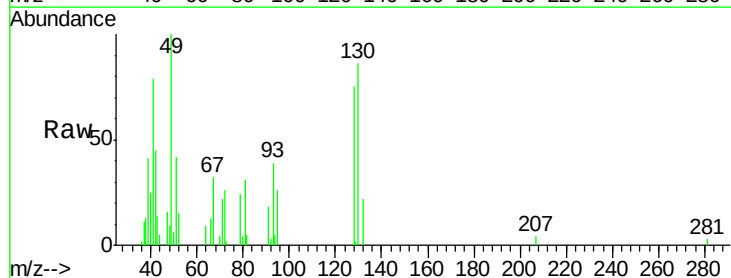
MMDadoda
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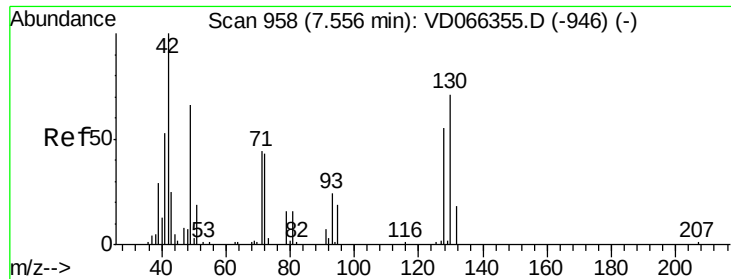


#28

Bromochloromethane
 Concen: 17.113 ug/l
 RT: 7.53 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19460		
129	2.7		0.0	3.0
130	111.8		82.6	124.0





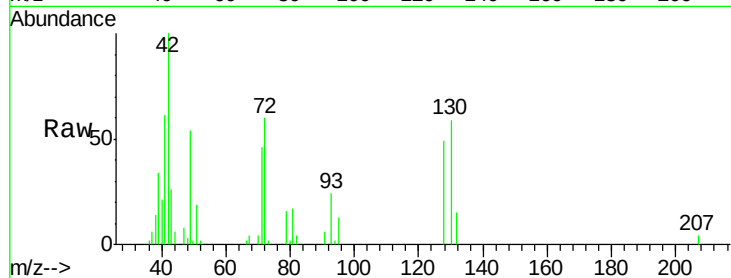
#29
Tetrahydrofuran
Concen: 103.502 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

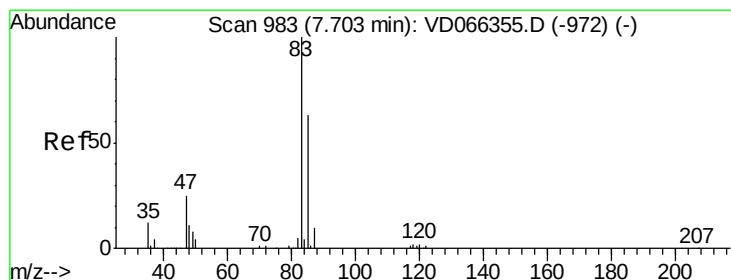
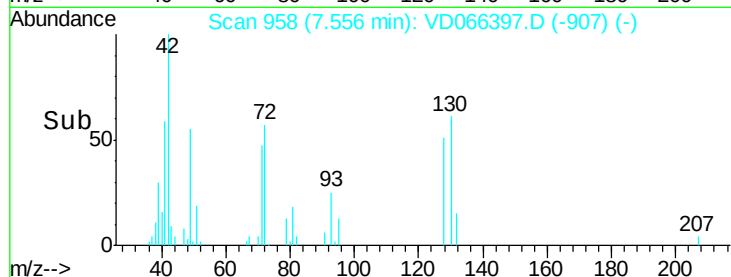
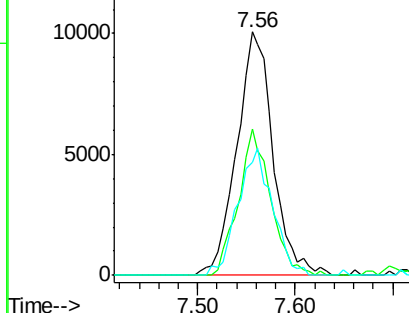
Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	41.0	61.4
71	50.0	37.2	55.8

Manual Integrations
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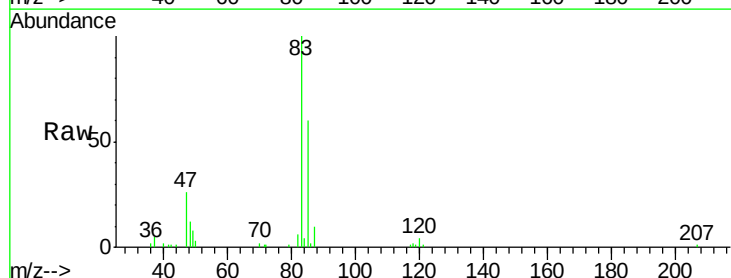


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

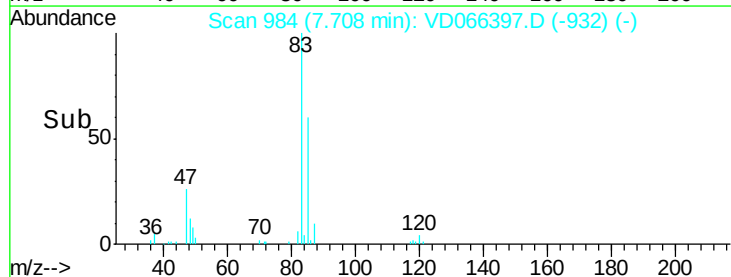
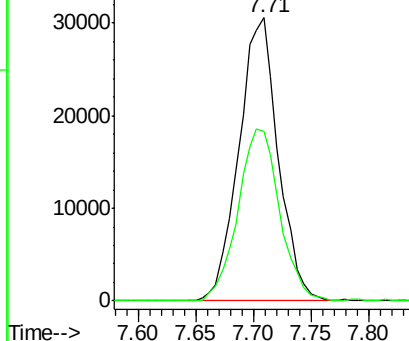


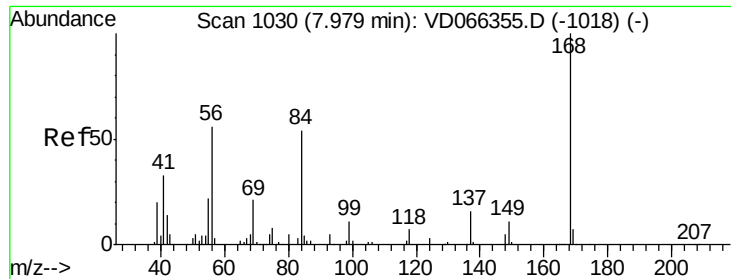
#30
Chloroform
Concen: 18.952 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	50.3	75.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





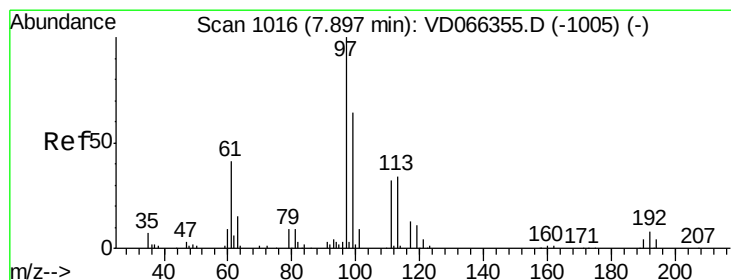
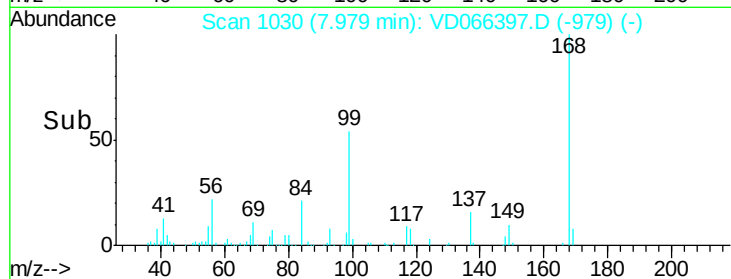
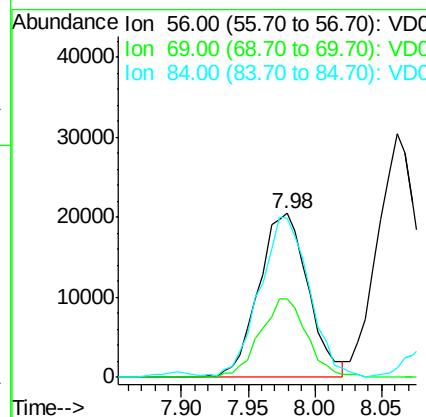
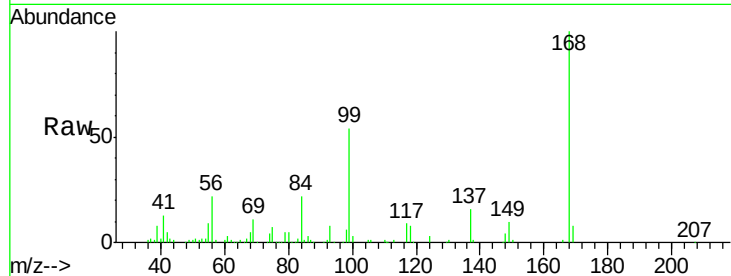
#31
Cyclohexane
Concen: 17.454 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.8	29.6	44.4#
84	94.7	76.6	115.0

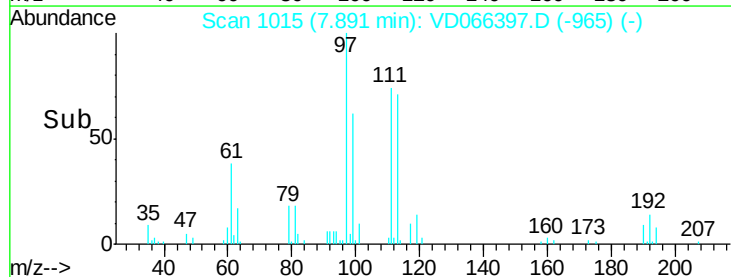
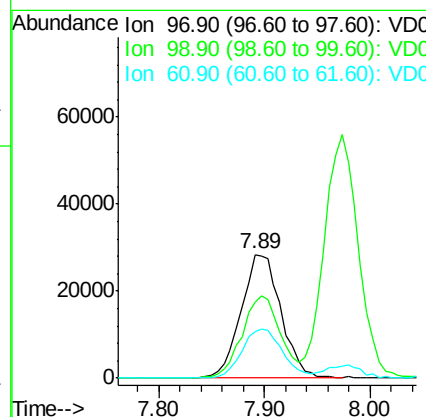
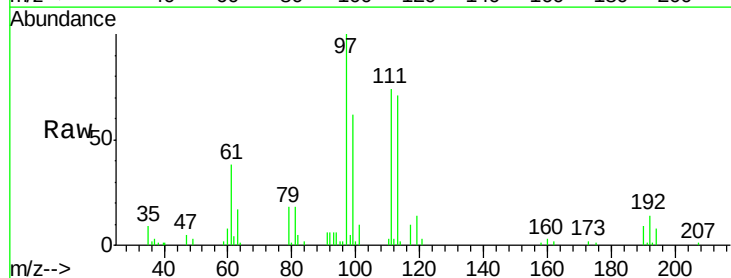
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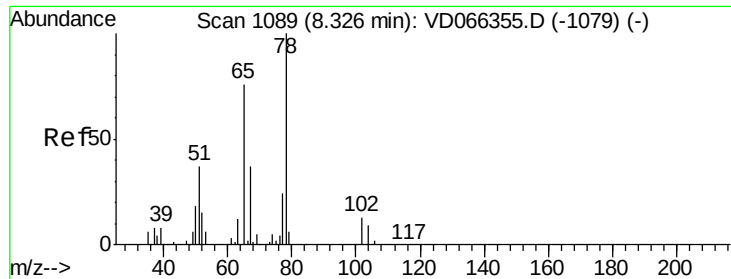
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.969 ug/l
RT: 7.89 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.5	77.3
61	40.2	33.3	49.9





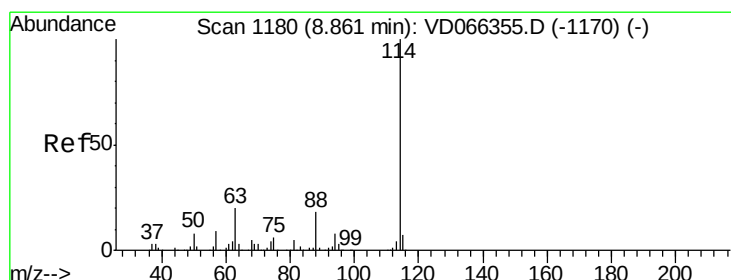
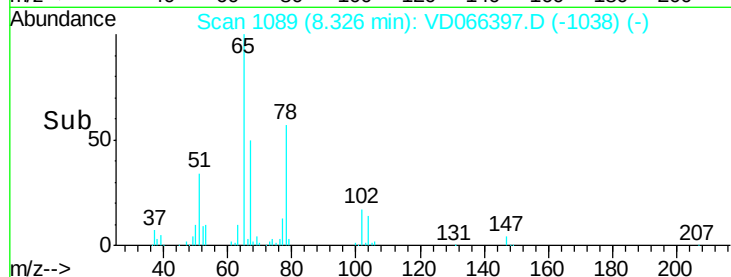
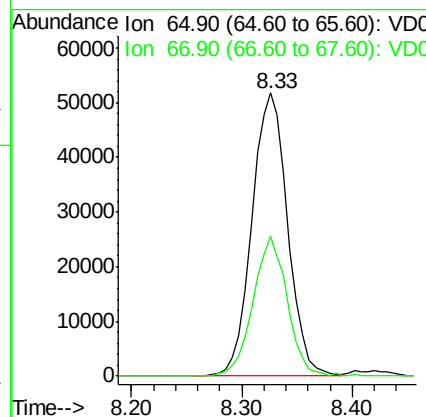
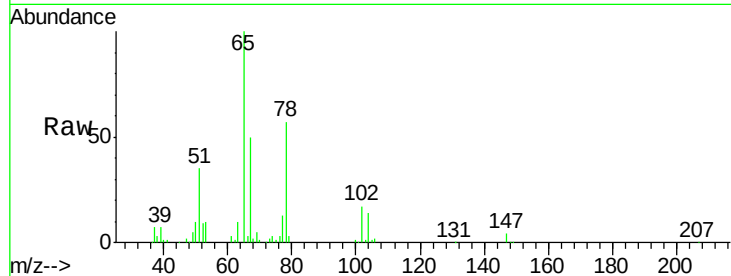
#33
 1,2-Dichloroethane-d4
 Concen: 54.133 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117710		
67	47.0	0.0	101.6	

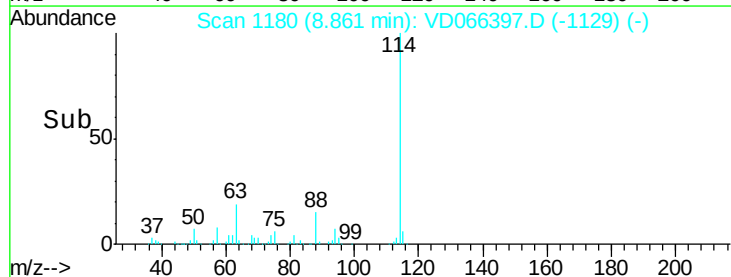
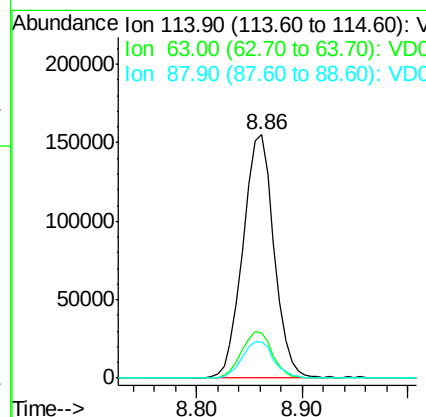
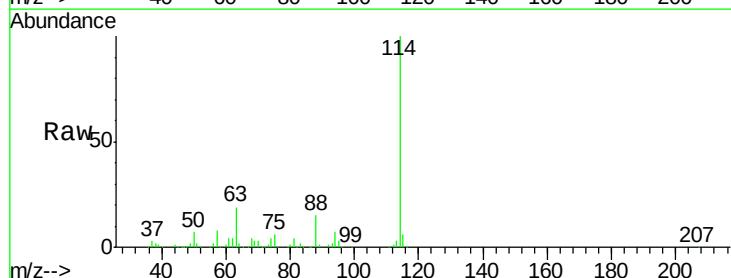
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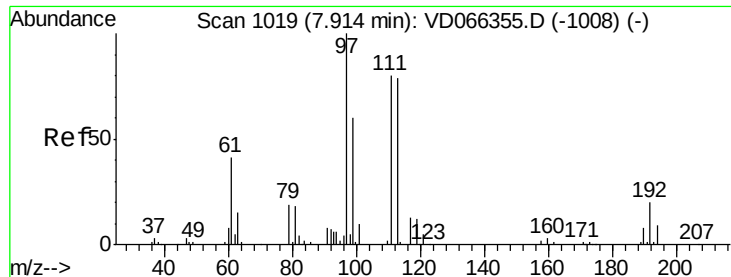
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317508		
63	18.7	0.0	40.8	
88	14.7	0.0	35.4	





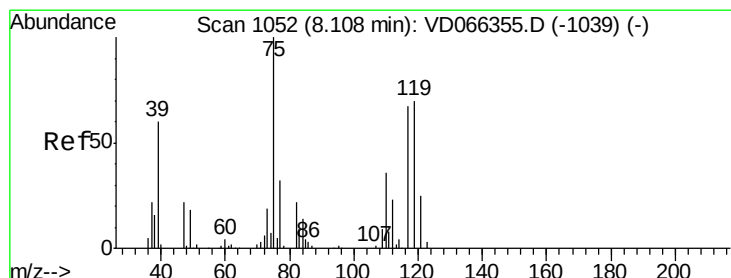
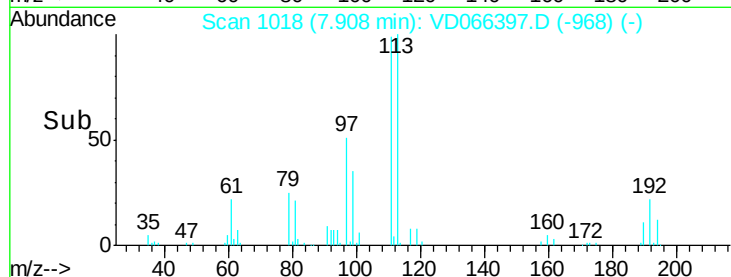
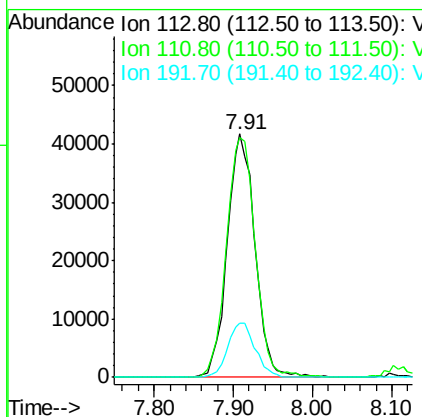
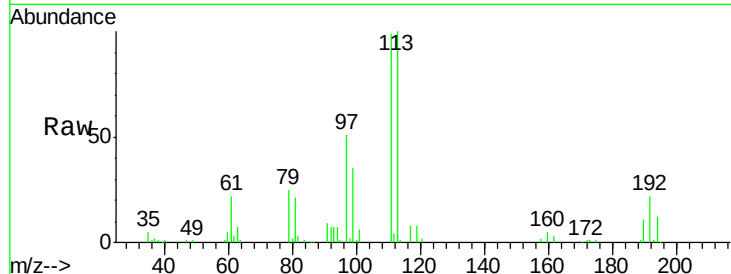
#35
 Dibromofluoromethane
 Concen: 50.747 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100753		
111	102.8		80.3	120.5
192	22.1		19.0	28.6

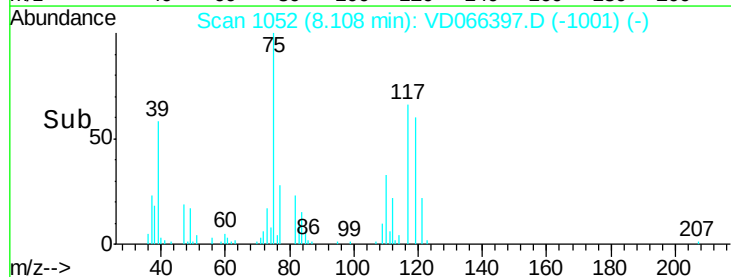
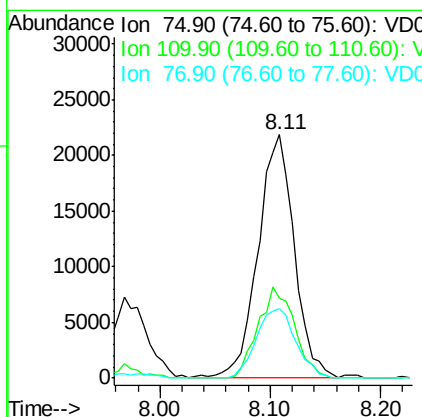
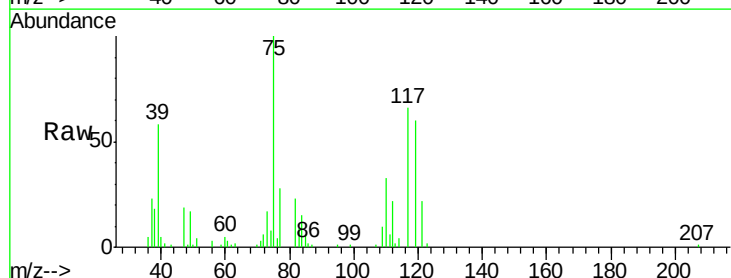
Manual Integrations
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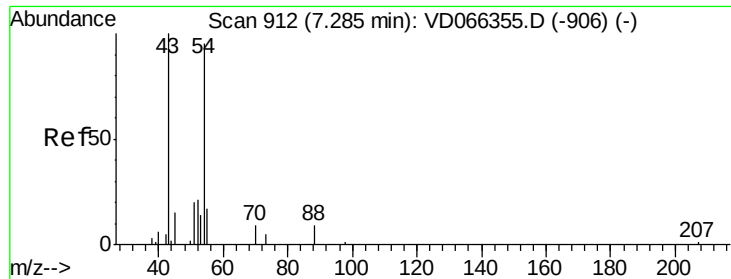
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.368 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	50315		
110	37.5		18.7	56.1
77	30.8		25.2	37.8





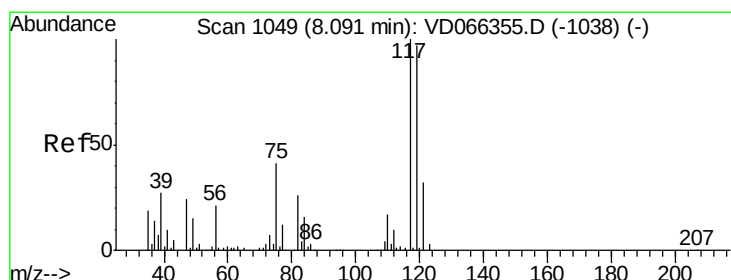
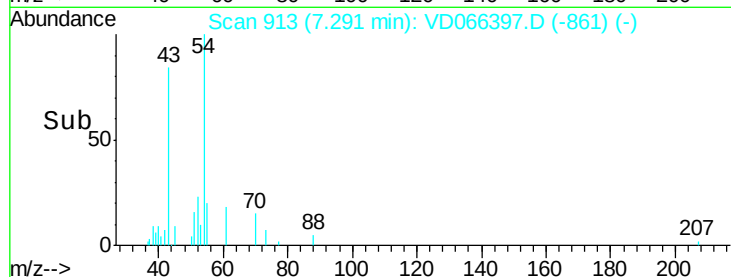
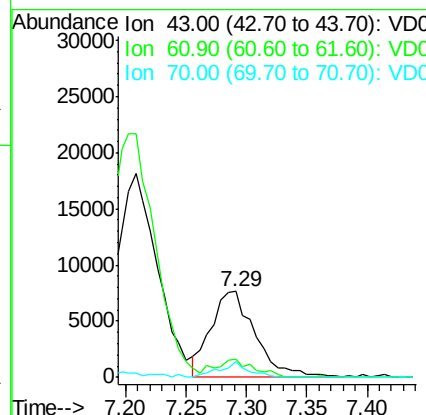
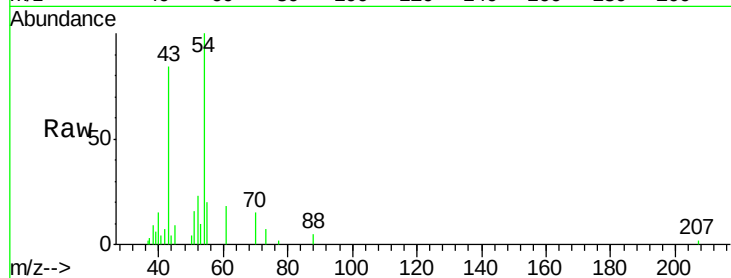
#37
Ethyl Acetate
Concen: 19.831 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	13.3	19.9
70	12.0	3.5	5.3

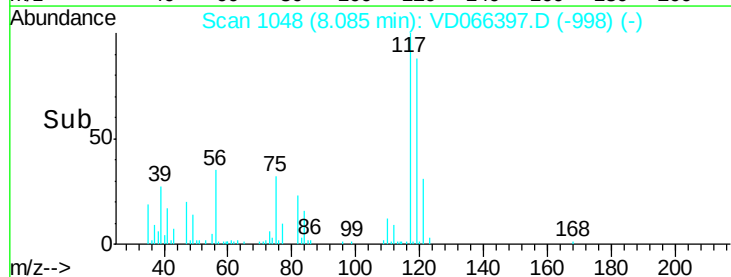
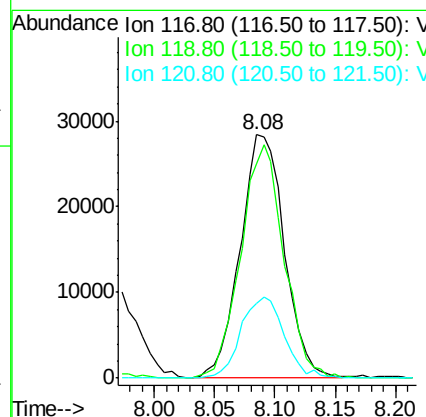
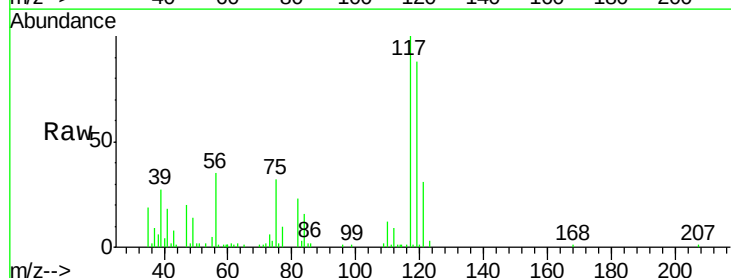
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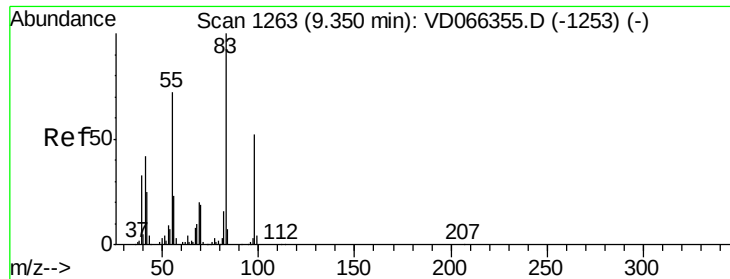
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#38
Carbon Tetrachloride
Concen: 19.200 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	77.2	115.8
121	30.9	25.8	38.8





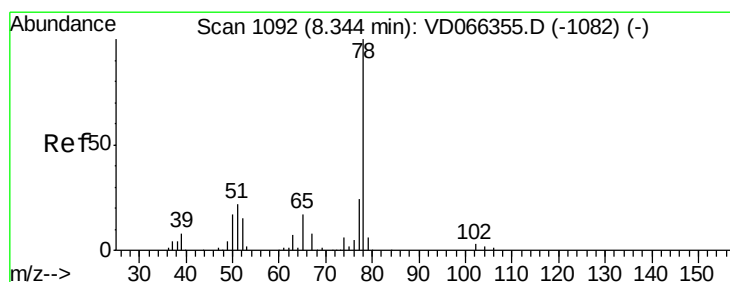
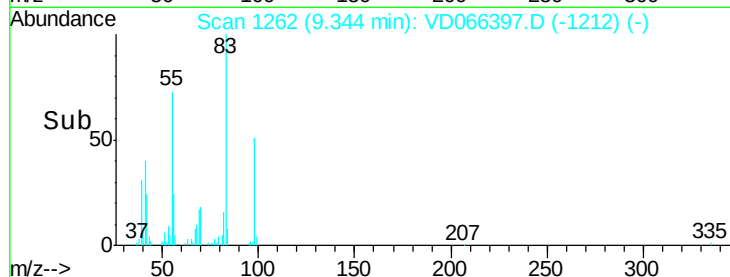
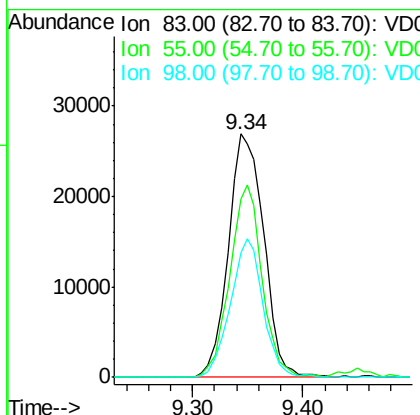
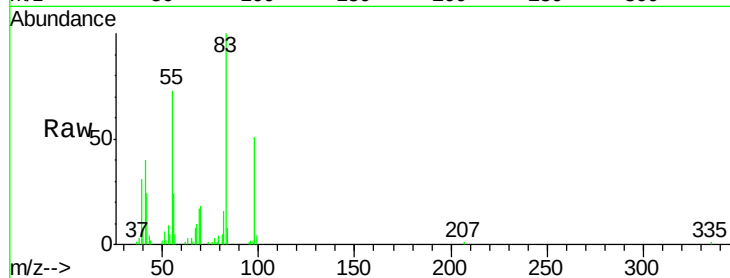
#39
Methylvlcyclohexane
Concen: 17.727 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	60498		
55	73.1		58.0	87.0
98	51.3		41.9	62.9

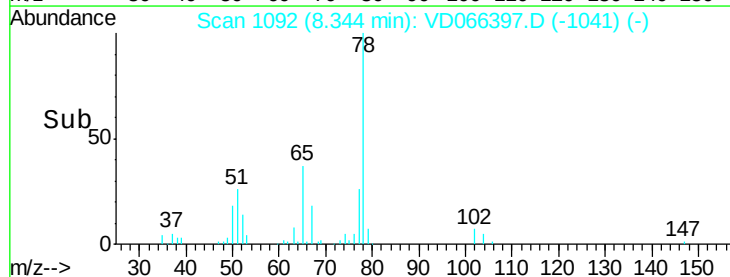
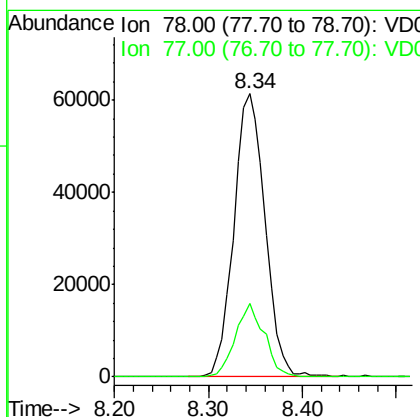
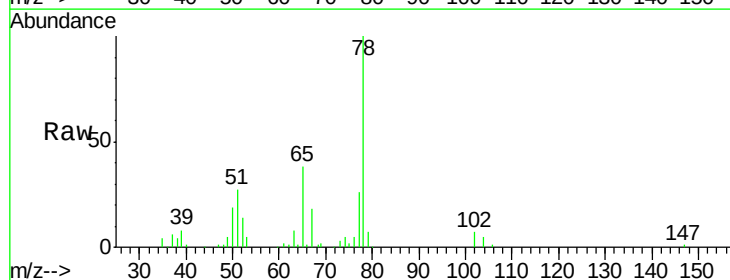
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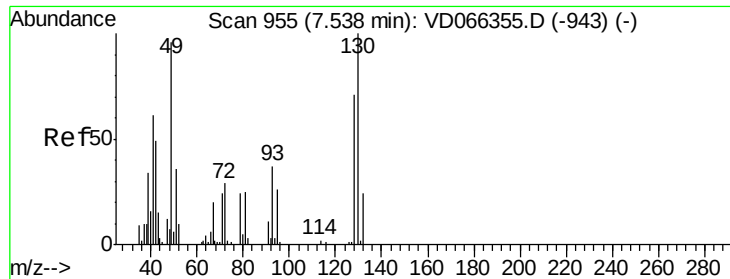
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#40
Benzene
Concen: 18.532 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	141235		
77	26.0		18.8	28.2





#41

Methacrylonitrile

Concen: 20.511 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 41 Resp: 12463

Ion Ratio Lower Upper

41 100

39 71.6 51.8 77.8

67 0.0 0.0 0.0

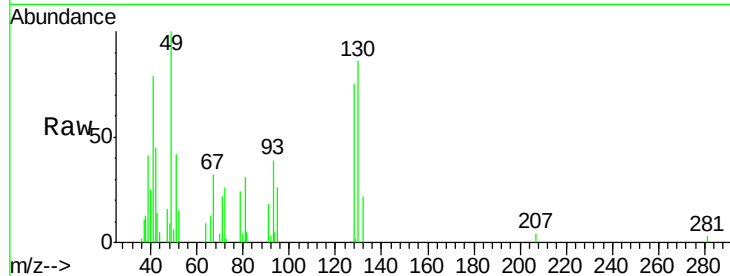
52 0.0 0.0 0.0

Manual Integrations

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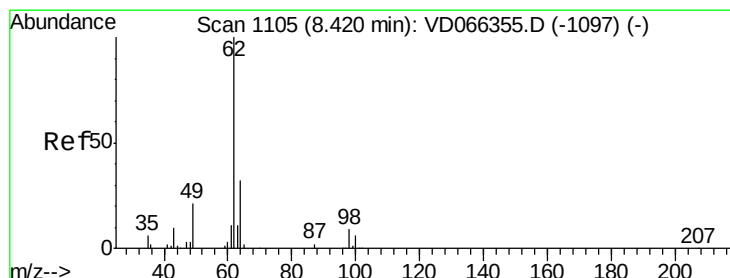
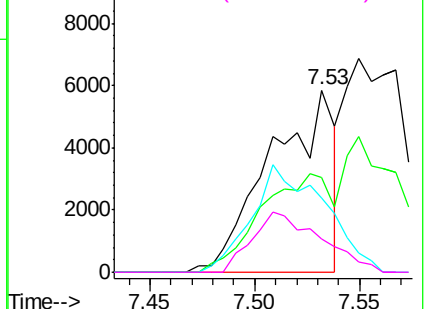
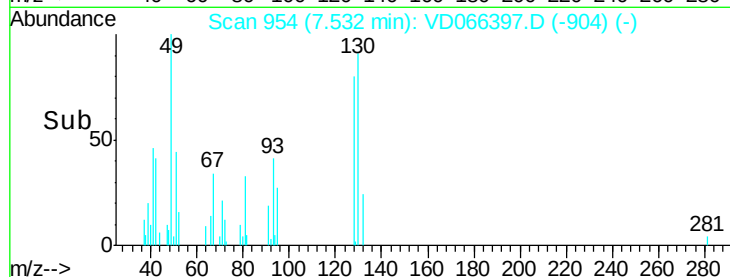


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.625 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066397.D

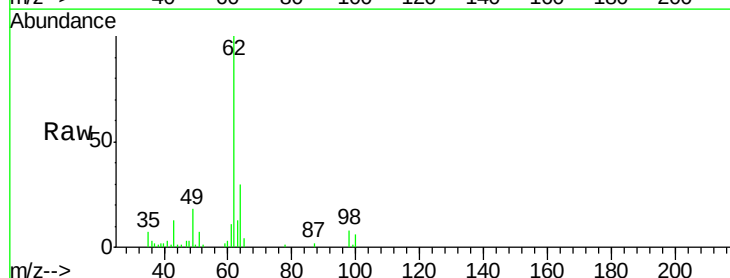
Acq: 25 Aug 2020 12:51

Tgt Ion: 62 Resp: 55363

Ion Ratio Lower Upper

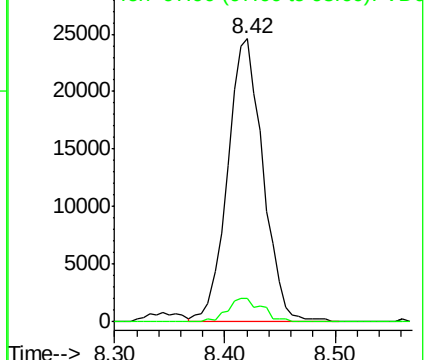
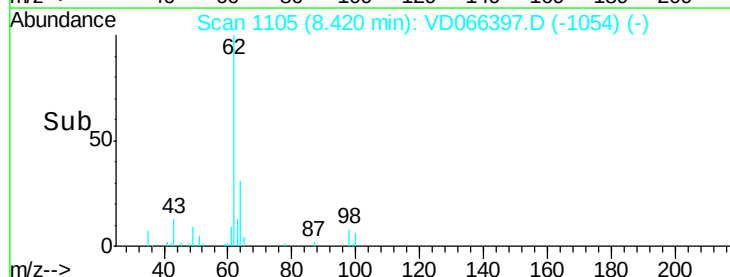
62 100

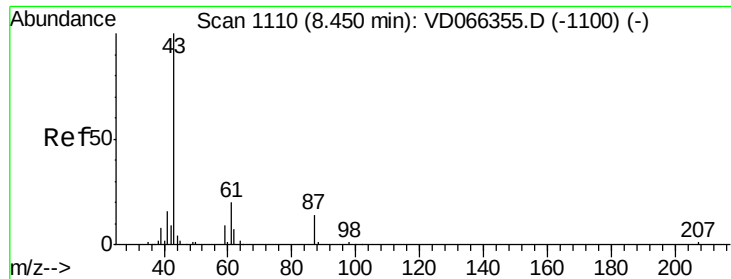
98 8.3 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





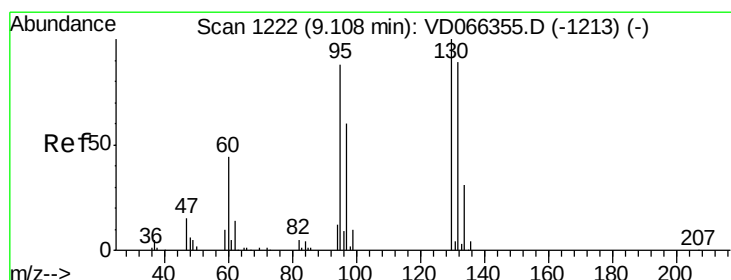
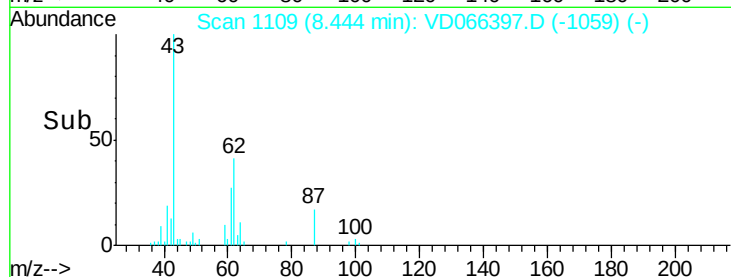
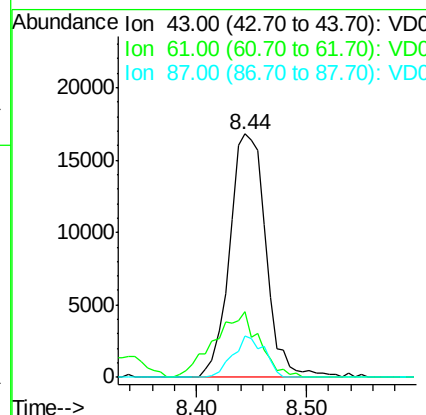
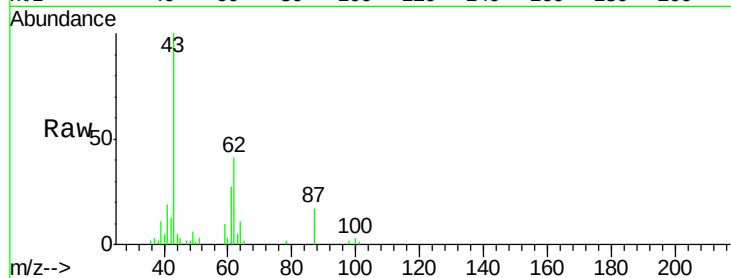
#43
Isopropyl Acetate
Concen: 19.519 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	26.5	39.7
87	14.8	11.9	17.9

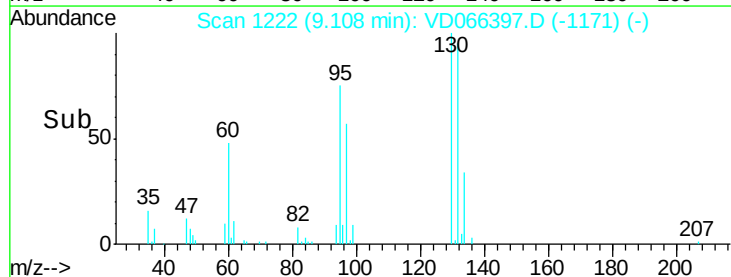
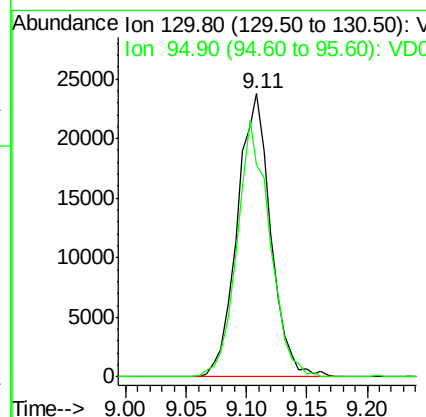
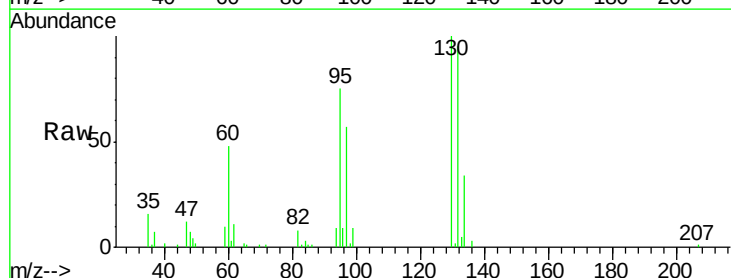
Manual Integrations
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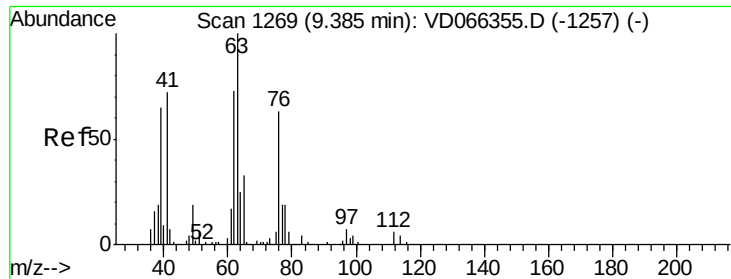
MMDadoda
8/26/2020 4:23:04 PM



#44
Trichloroethene
Concen: 18.545 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	74.8	0.0	175.6





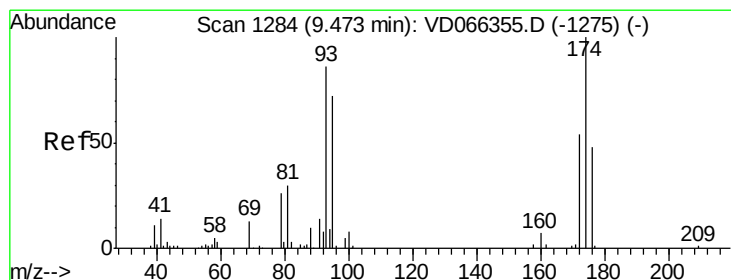
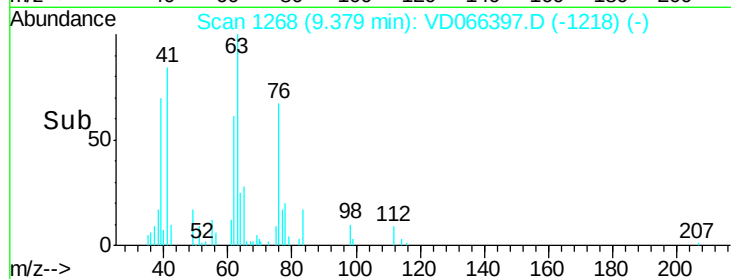
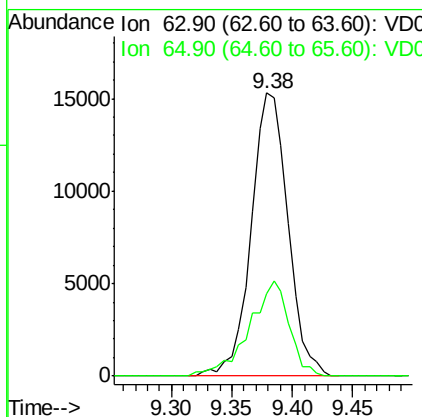
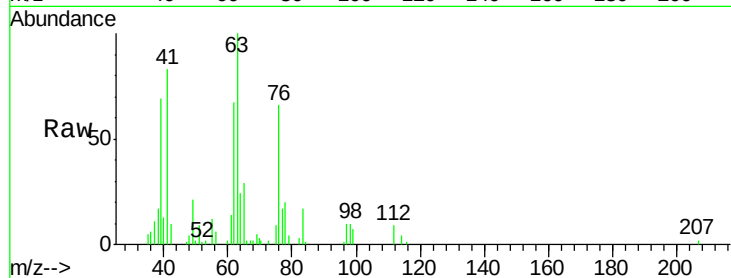
#45
 1,2-Dichloropropane
 Concen: 18.696 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBSD01

Tot Ion: 63 Resp: 32302
 Ion Ratio Lower Upper
 63 100
 65 29.0 26.4 39.6

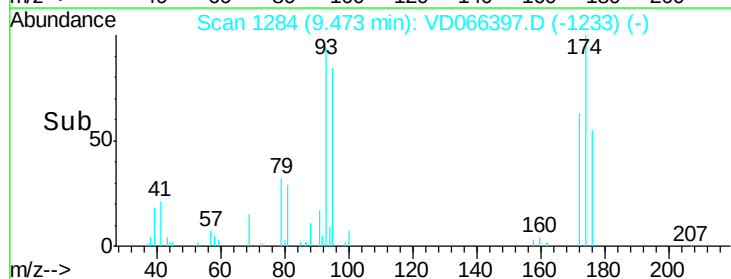
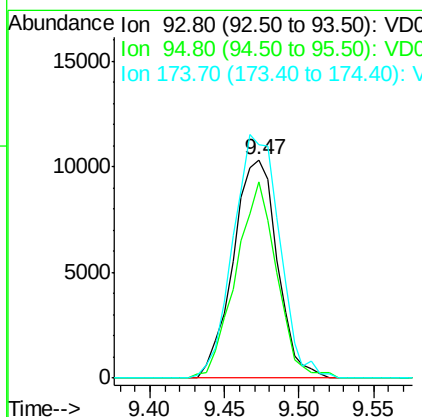
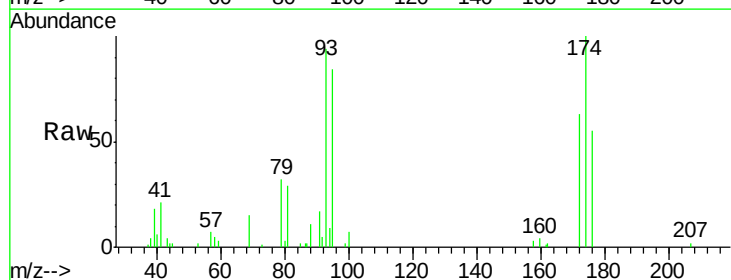
Manual Integrations
 APPROVED

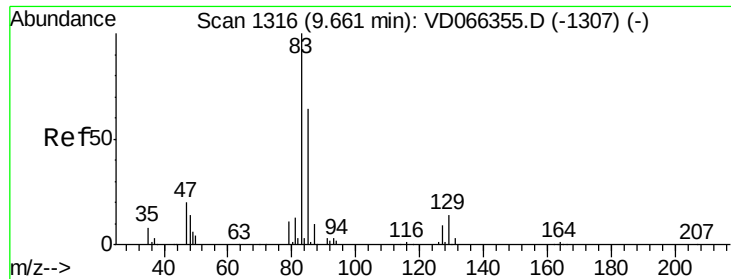
MMDadoda
 8/26/2020 4:23:04 PM



#46
 Dibromomethane
 Concen: 19.768 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion: 93 Resp: 21265
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.0 99.0
 174 116.8 94.6 141.8





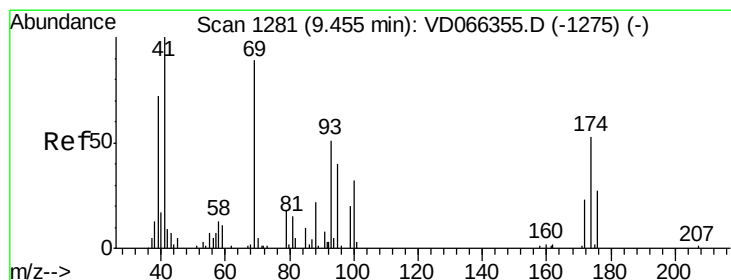
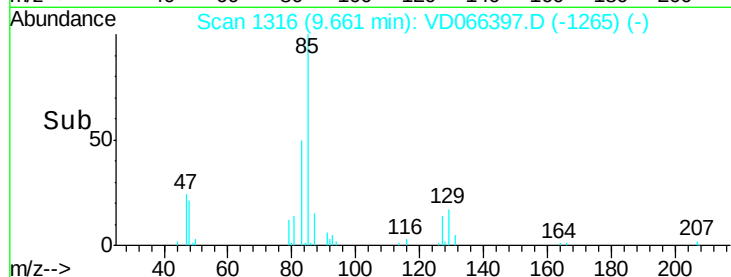
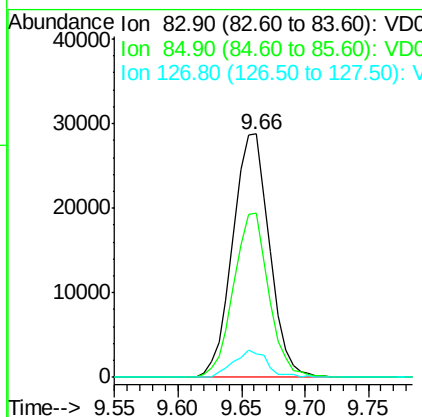
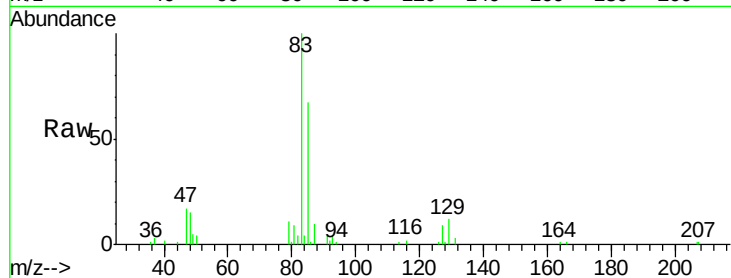
#47
Bromodichloromethane
Concen: 19.610 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	83	Resp	58015
Ion Ratio	100		
85	67.4	51.4	77.0
127	9.4	7.4	11.0

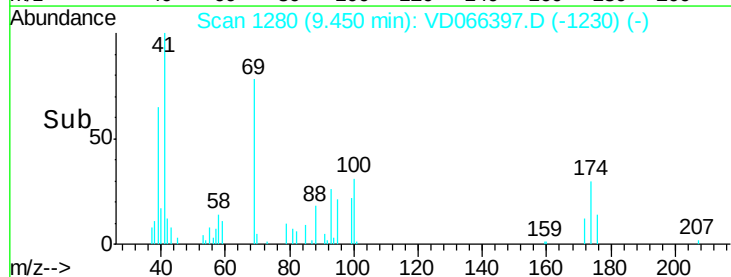
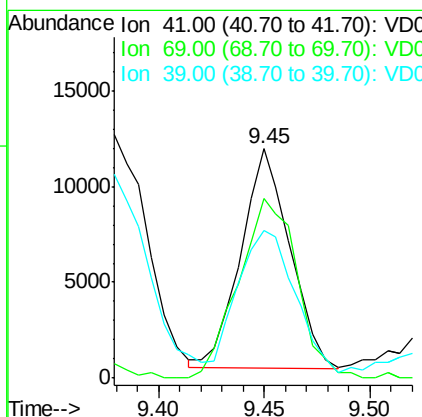
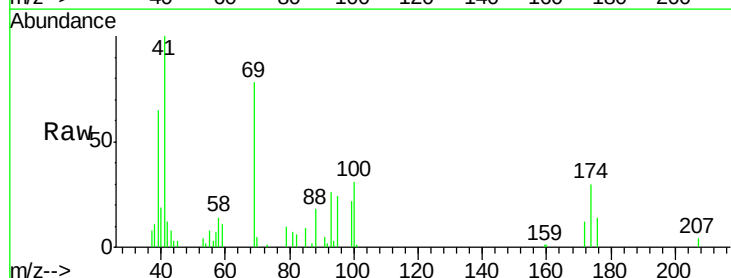
Manual Integrations
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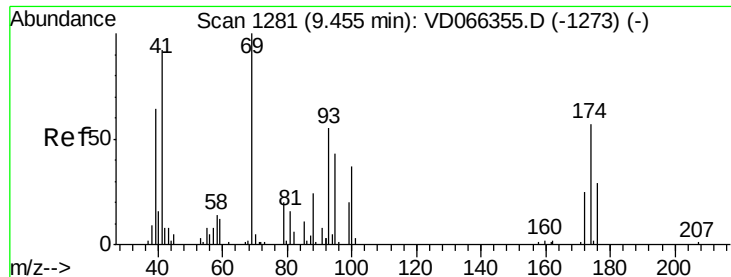
MMDadoda
8/26/2020 4:23:04 PM



#48
Methyl methacrylate
Concen: 18.175 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	41	Resp	18536
Ion Ratio	100		
69	97.0	75.5	113.3
39	83.4	57.0	85.4





#49

1,4-Dioxane

Concen: 404.446 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

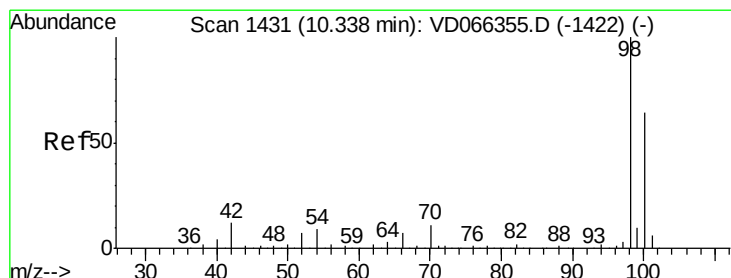
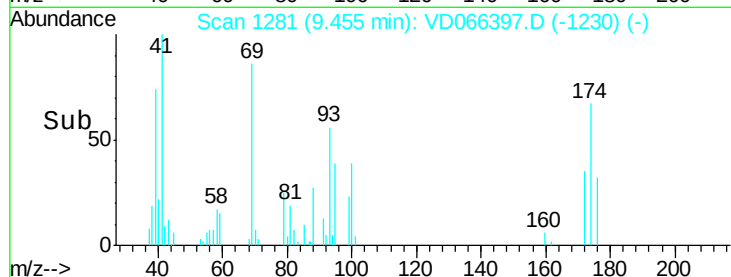
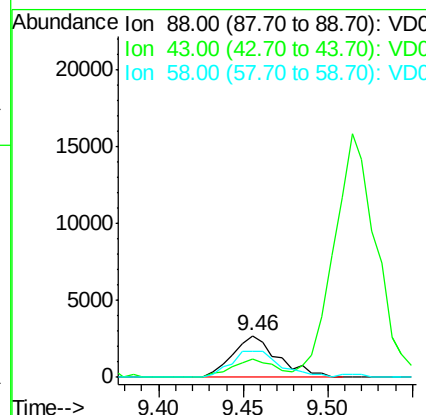
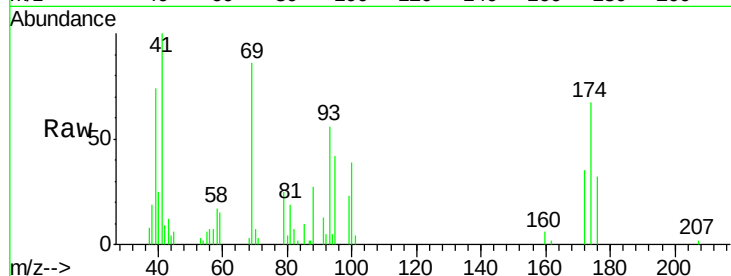
ClientSampleId :

VD0825SBS01

Tot Ion	88	Resp	5052
Ion	Ratio	Lower	Upper
88	100		
43	41.9	29.4	44.0
58	68.4	45.4	68.2

Manual Integrations
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8/26/2020 4:23:04 PM



#50

Toluene-d8

Concen: 49.973 ug/l

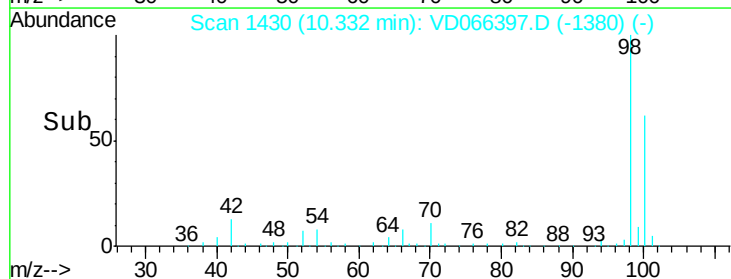
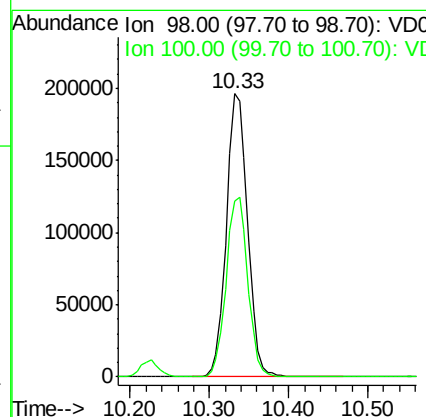
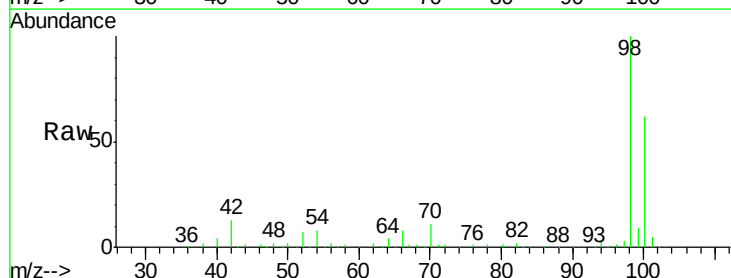
RT: 10.33 min Scan# 1430

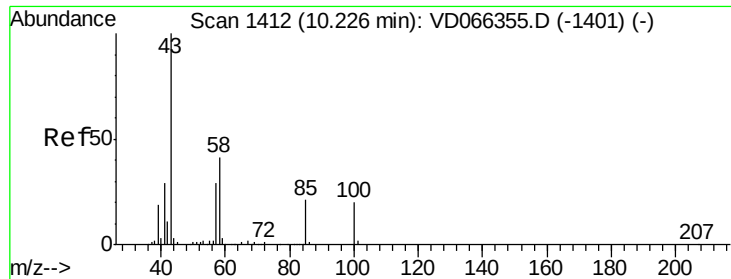
Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion	98	Resp	363023
Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.0	79.4





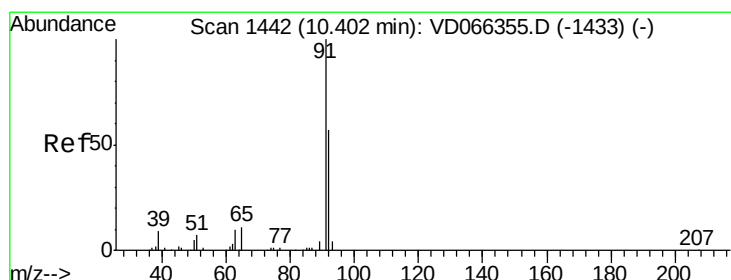
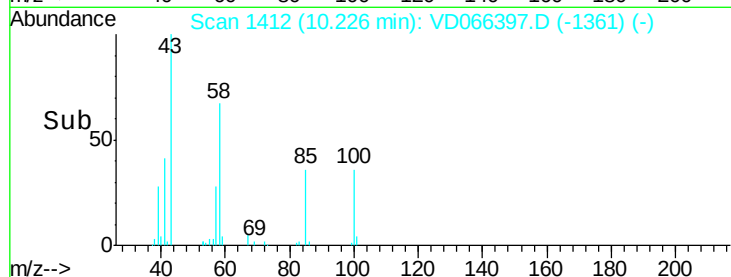
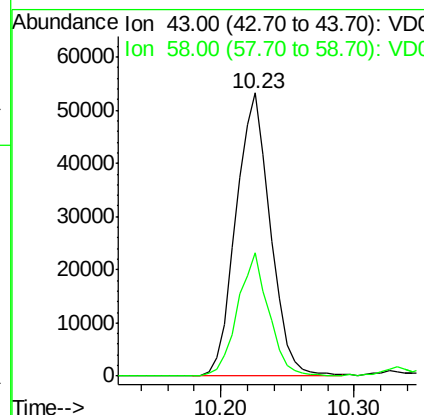
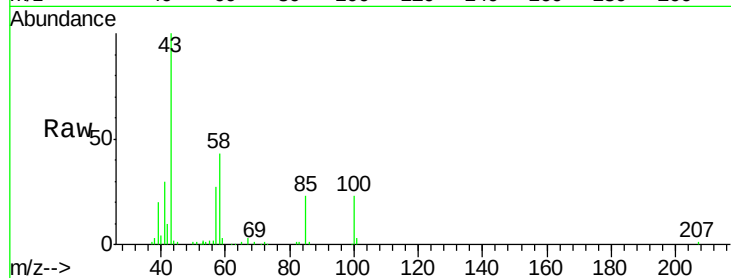
#51
4-Methyl-2-Pentanone
Concen: 99.748 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.4	47.2

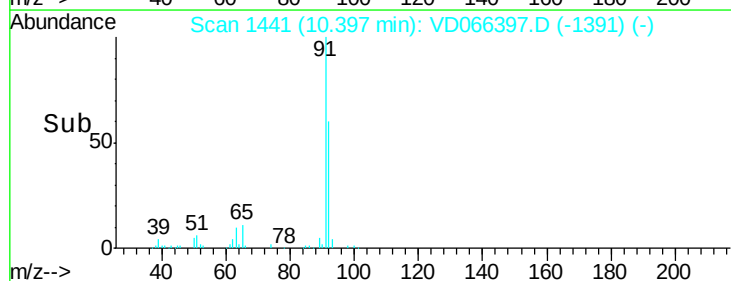
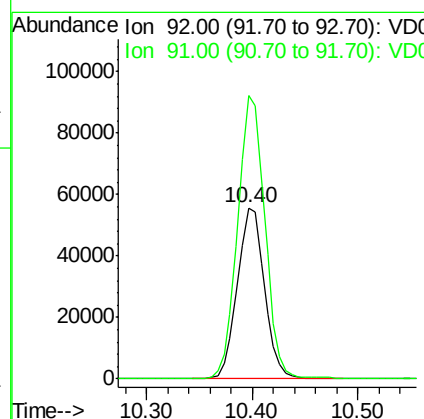
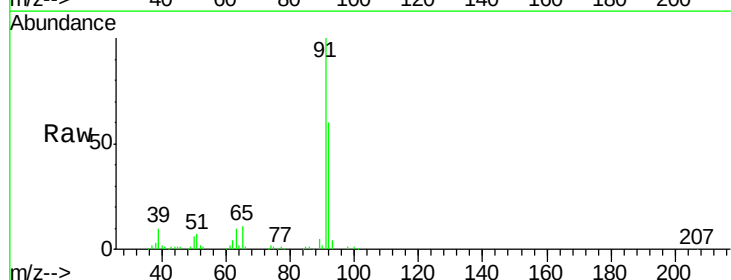
Manual Integrations
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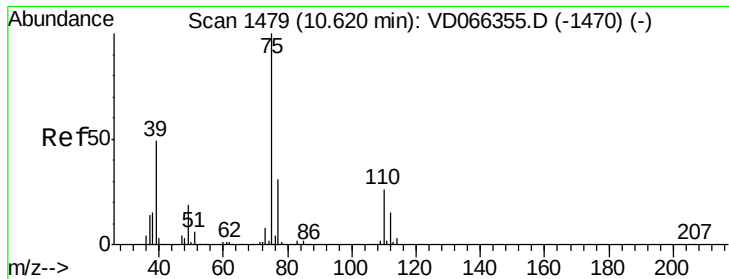
MMDadoda
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#52
Toluene
Concen: 19.019 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.2	135.8	203.6





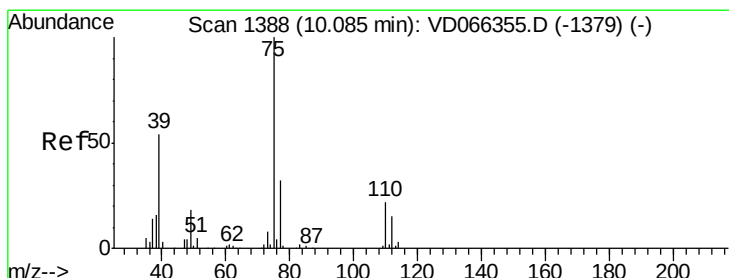
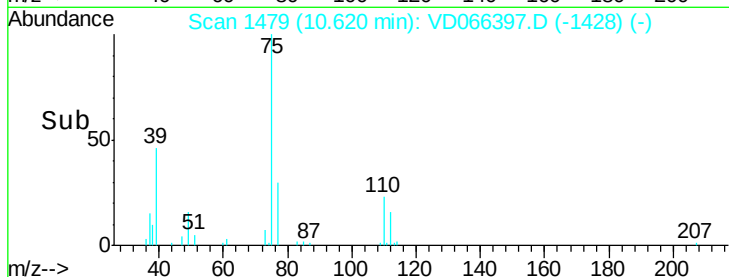
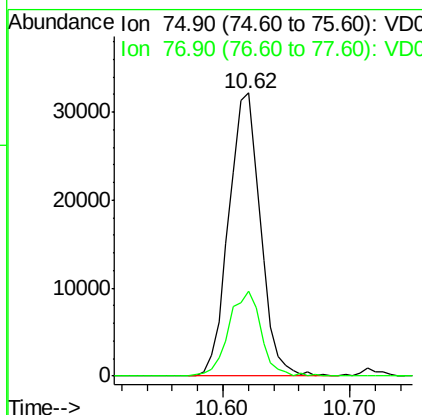
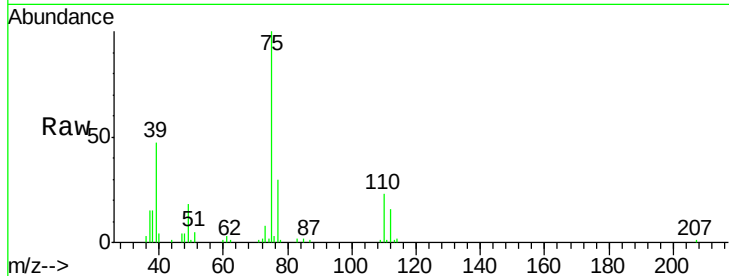
#53
 t-1,3-Dichloropropene
 Concen: 19.783 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0825SBS01

Tot Ion: 75 Resp: 55534
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.5 36.7

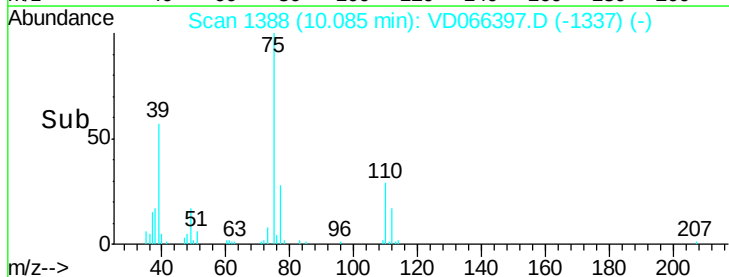
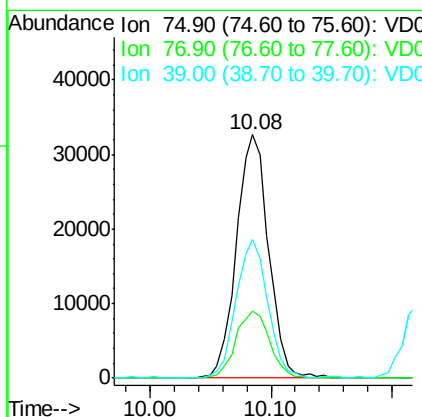
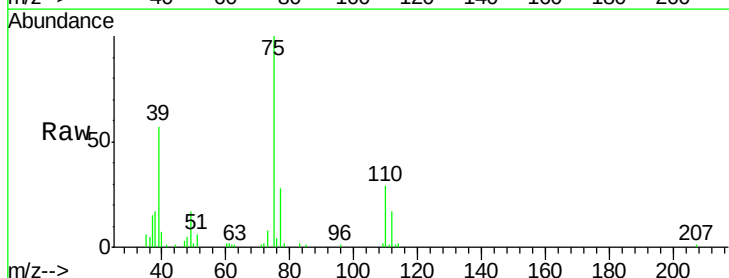
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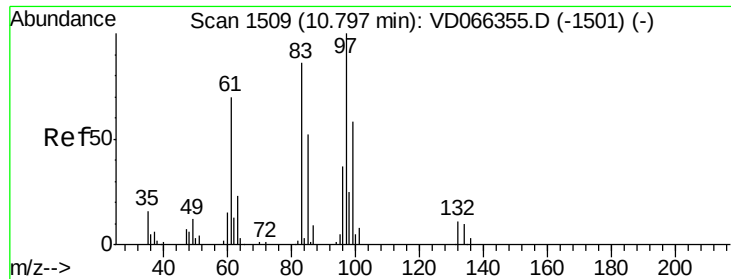
MMDadoda
 8/26/2020 4:23:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.237 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion: 75 Resp: 60615
 Ion Ratio Lower Upper
 75 100
 77 27.7 25.6 38.4
 39 57.0 43.4 65.0





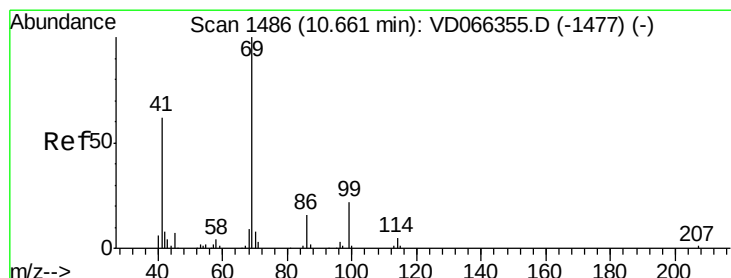
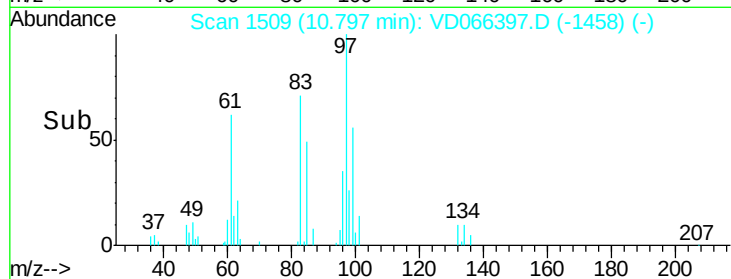
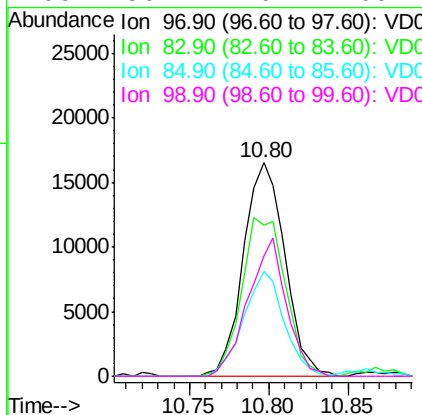
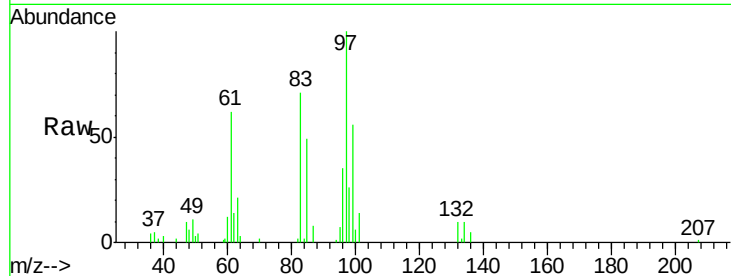
#55
 1,1,2-Trichloroethane
 Concen: 20.664 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion:	97	Resp:	30093
Ion	Ratio	Lower	Upper
97	100		
83	71.0	68.4	102.6
85	48.9	41.3	61.9
99	56.2	46.1	69.1

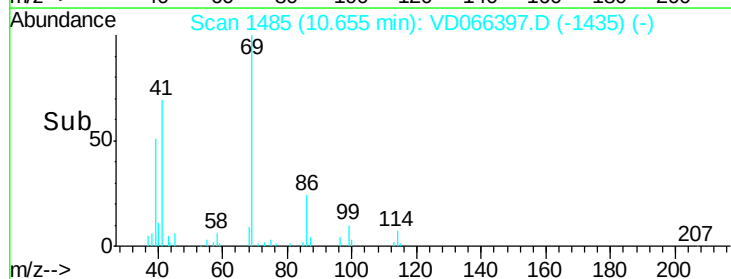
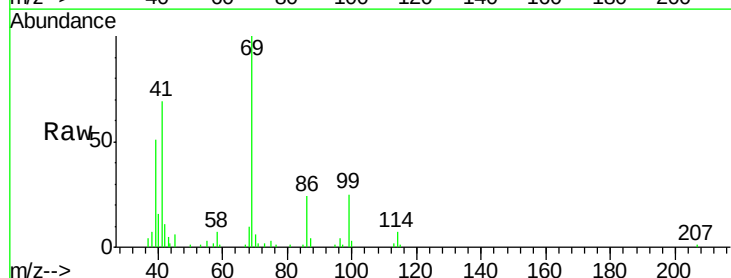
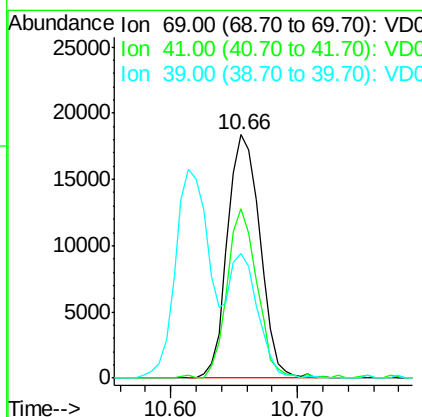
Manual Integrations
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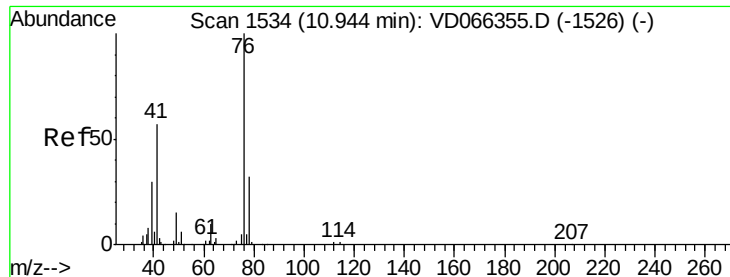
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#56
 Ethyl methacrylate
 Concen: 19.398 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion:	69	Resp:	32703
Ion	Ratio	Lower	Upper
69	100		
41	63.5	50.8	76.2
39	47.0	32.9	49.3





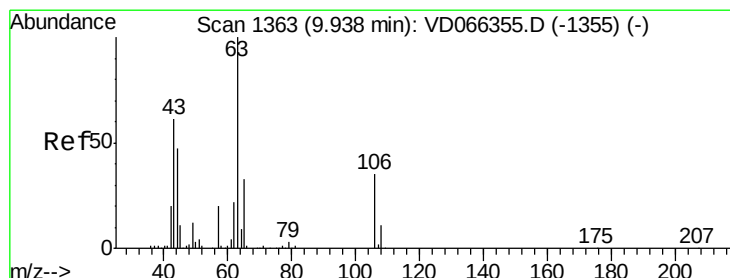
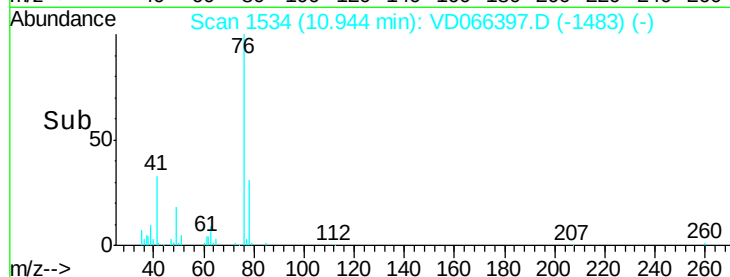
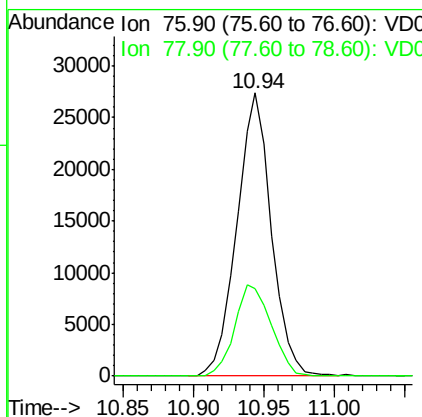
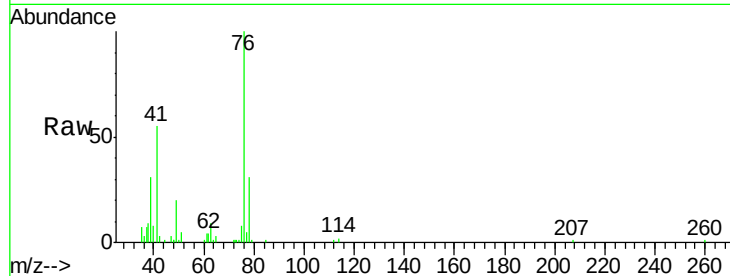
#57
 1,3-Dichloropropane
 Concen: 19.380 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.3	25.6	38.4

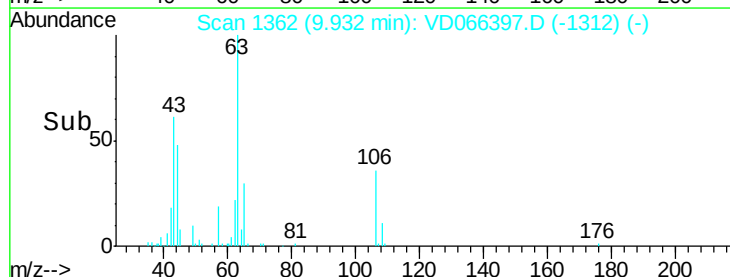
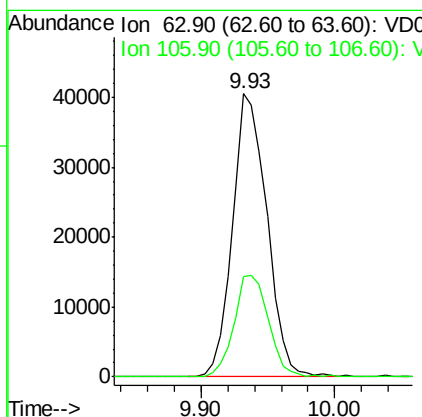
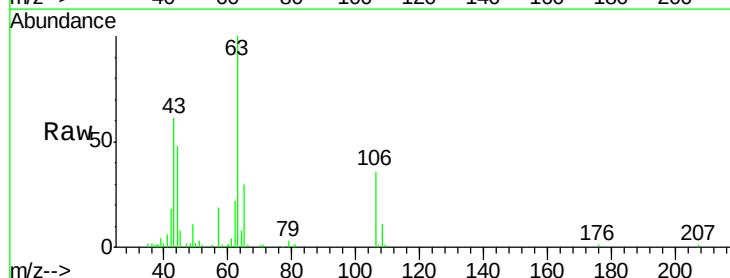
Manual Integrations
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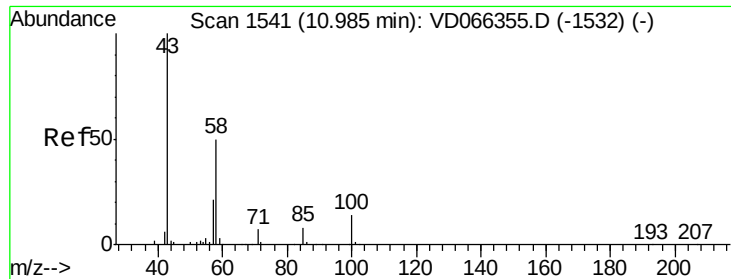
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.320 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.0	27.1	40.7





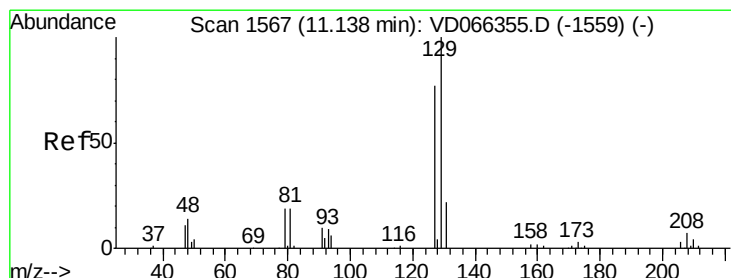
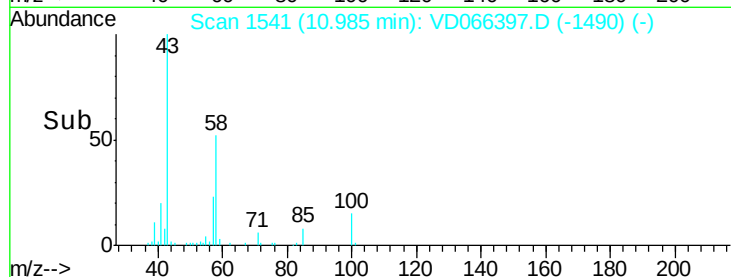
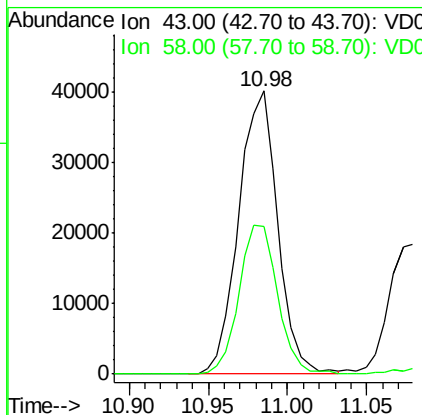
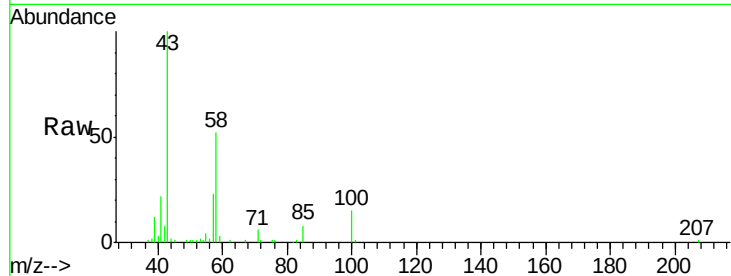
#59
2-Hexanone
Concen: 101.940 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion: 43 Resp: 68794
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.8

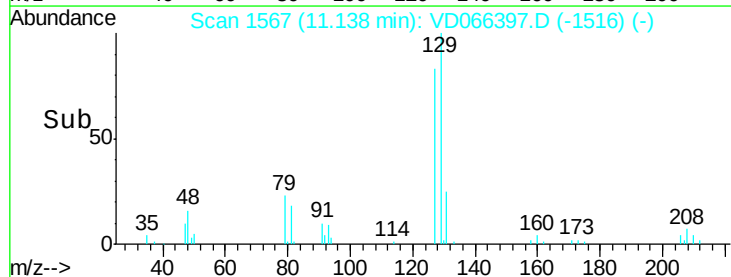
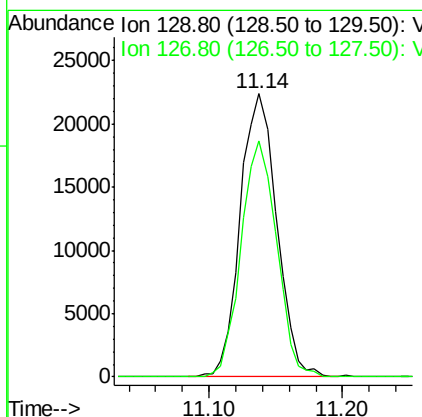
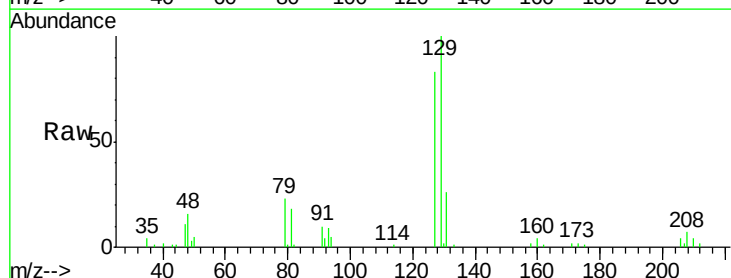
Manual Integrations
APPROVED

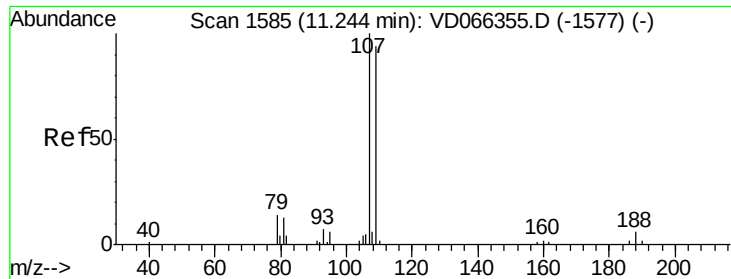
MMDadoda
8/26/2020 4:23:04 PM



#60
Dibromochloromethane
Concen: 19.261 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion: 129 Resp: 42282
Ion Ratio Lower Upper
129 100
127 81.3 39.0 117.0





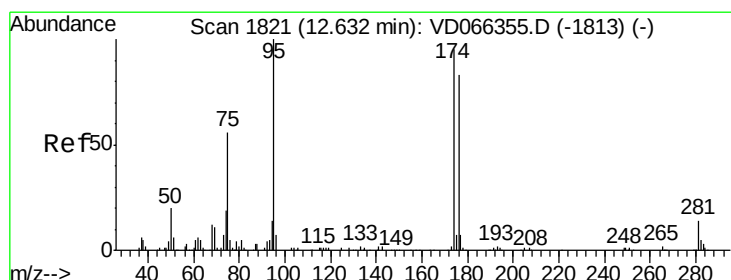
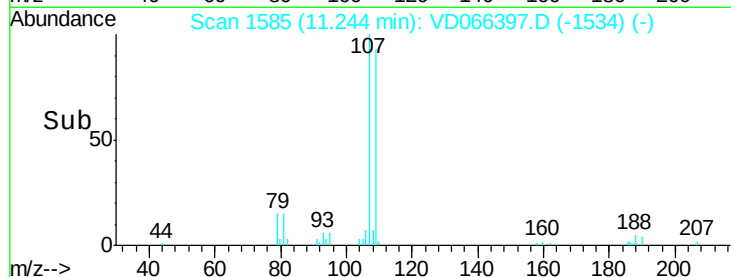
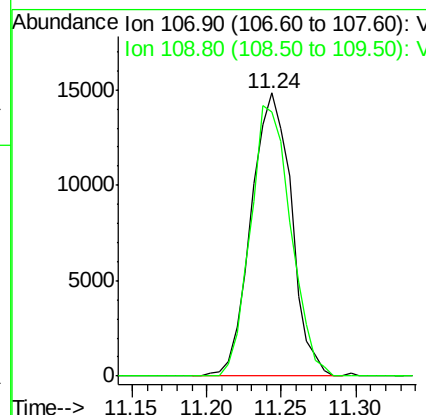
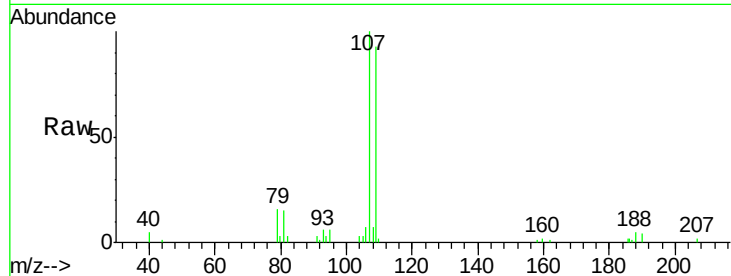
#61
 1,2-Dibromoethane
 Concen: 19.216 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion: 107 Resp: 27540
 Ion Ratio Lower Upper
 107 100
 109 96.1 77.8 116.8

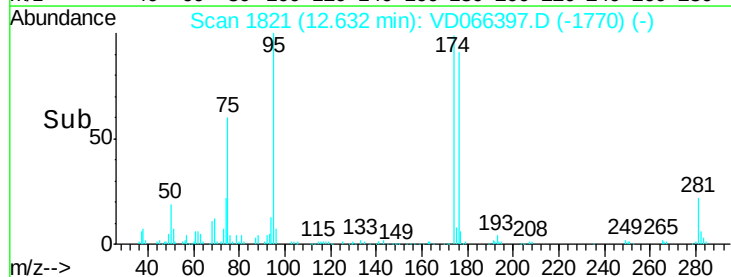
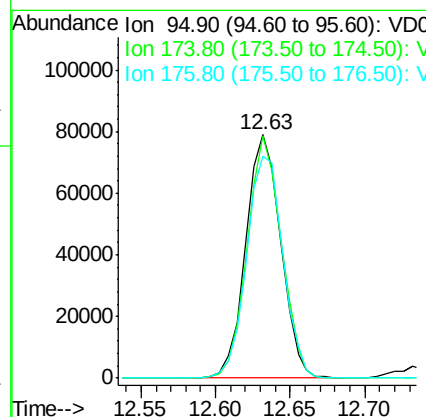
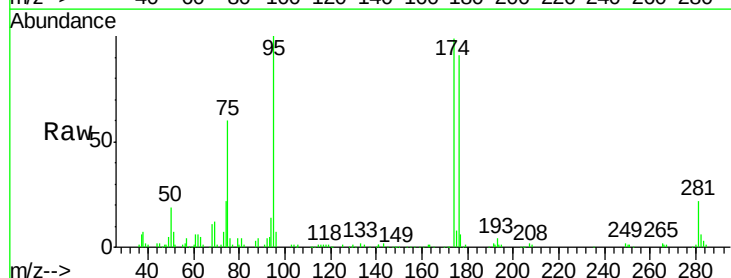
Manual Integrations
 APPROVED

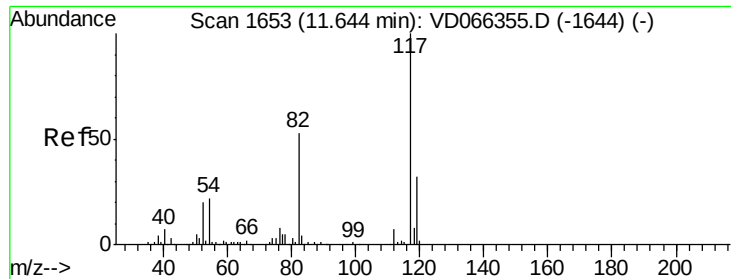
MMDadoda
 8/26/2020 4:23:04 PM



#62
 4-Bromofluorobenzene
 Concen: 49.629 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion: 95 Resp: 127929
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 183.4
 176 94.6 0.0 173.8





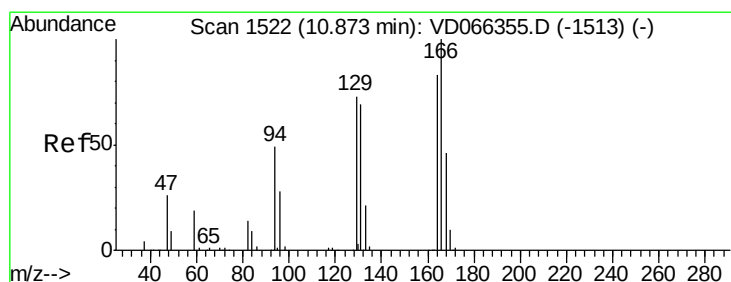
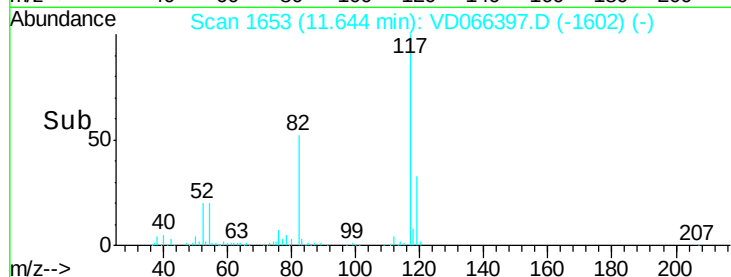
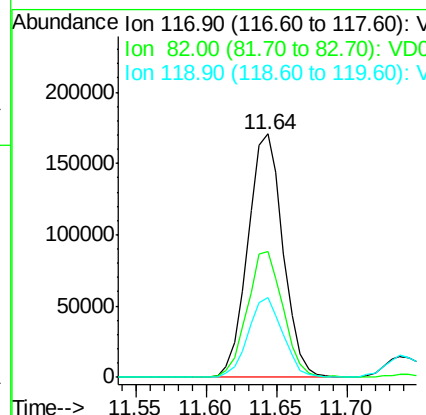
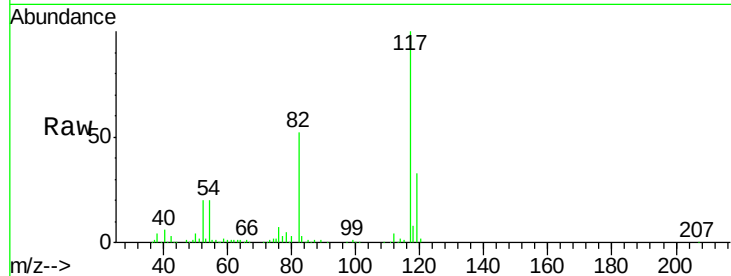
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297942		
82	51.9	42.8	64.2	
119	33.0	25.8	38.8	

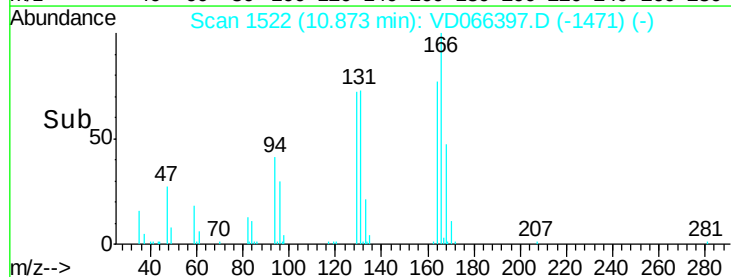
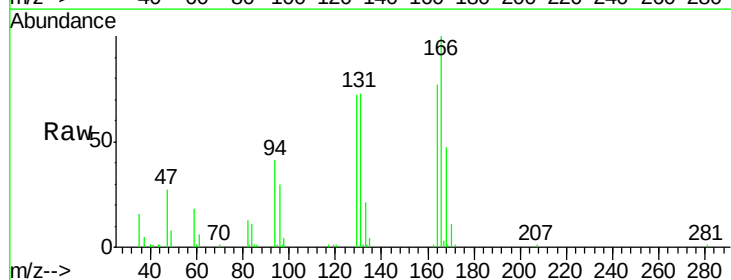
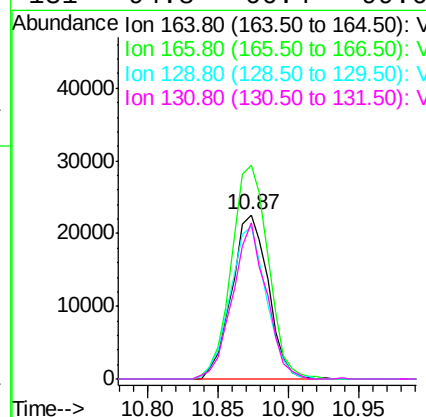
Manual Integrations
APPROVED

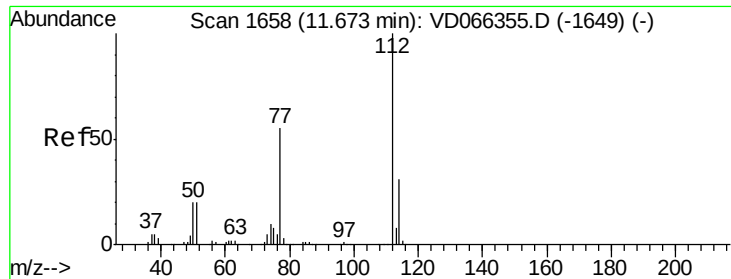
MMDadoda
8/26/2020 4:23:04 PM



#64
Tetrachloroethene
Concen: 17.961 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	40595		
166	130.1	96.2	144.4	
129	93.1	70.3	105.5	
131	94.8	66.4	99.6	





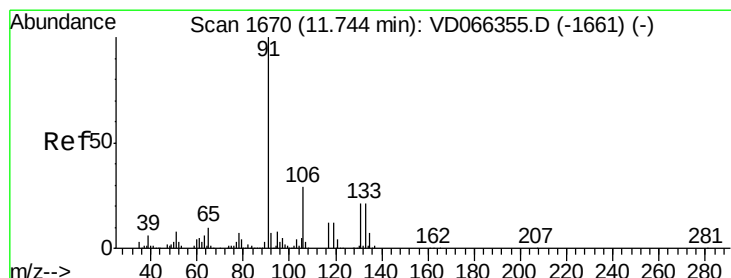
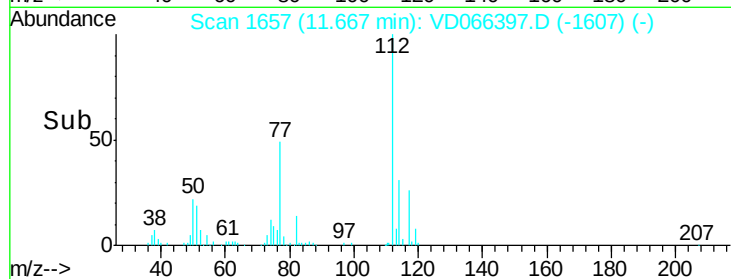
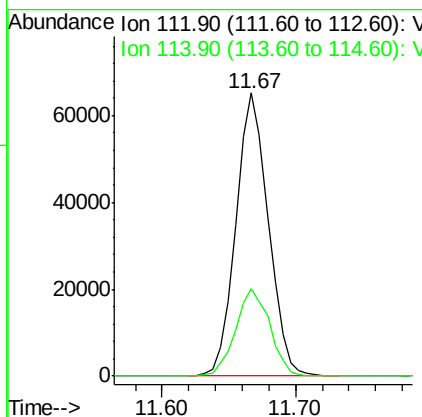
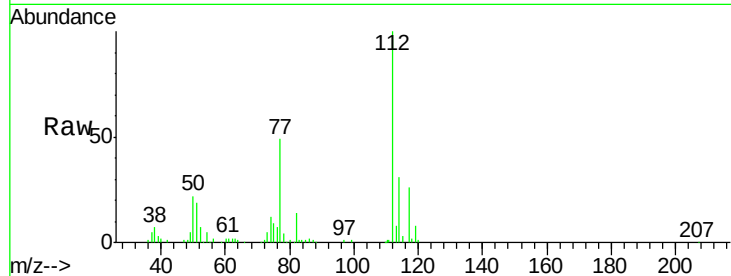
#65
Chlorobenzene
Concen: 18.500 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.1	37.7

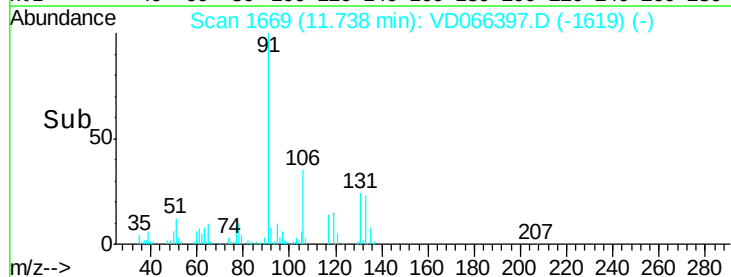
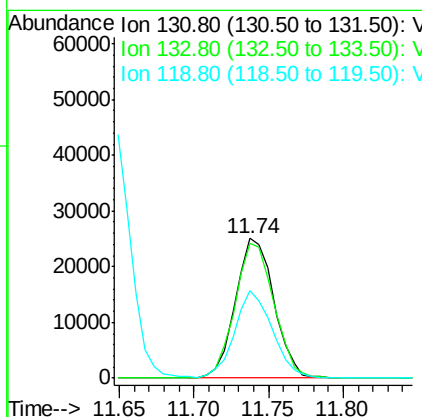
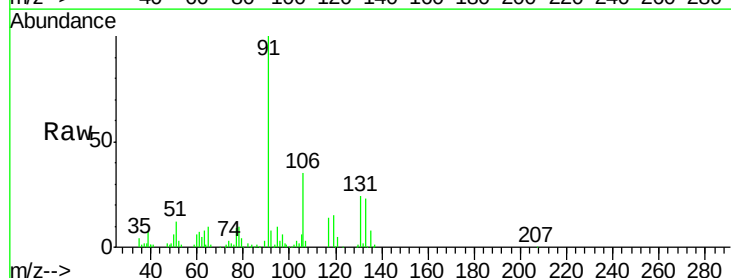
Manual Integrations
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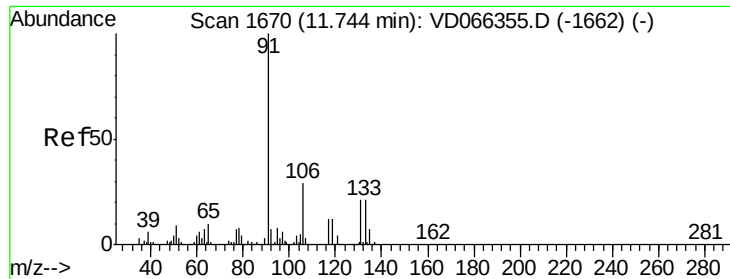
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.581 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	48.6	145.9
119	61.0	29.0	87.1





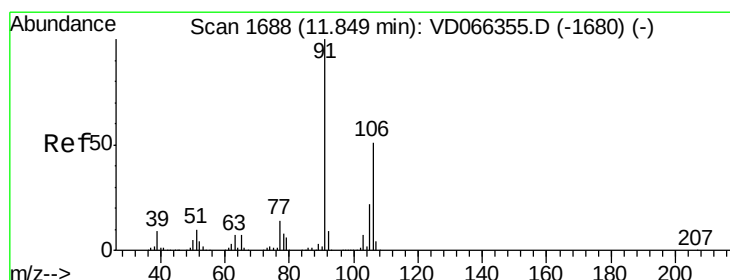
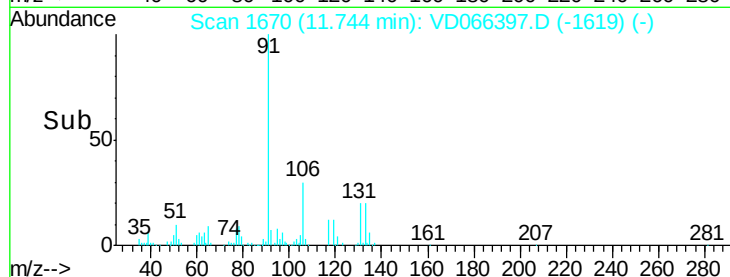
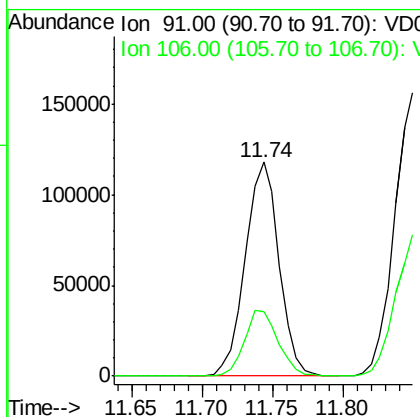
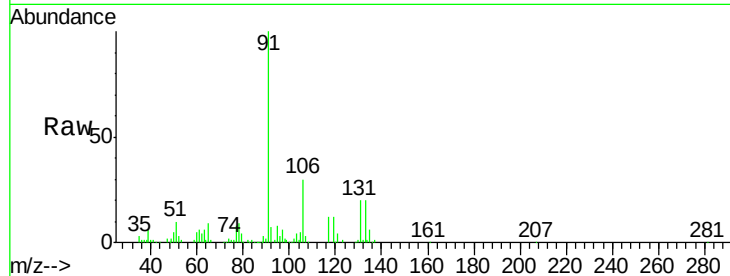
#67
Ethyl Benzene
Concen: 19.006 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198312		
106	29.9	23.4	35.2	

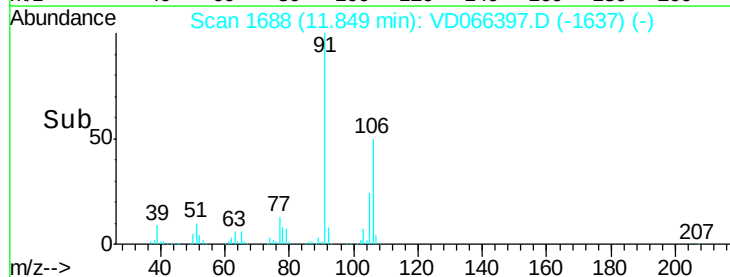
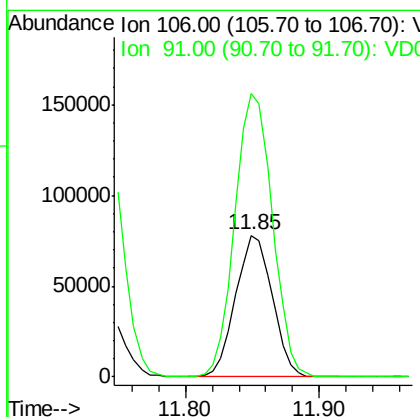
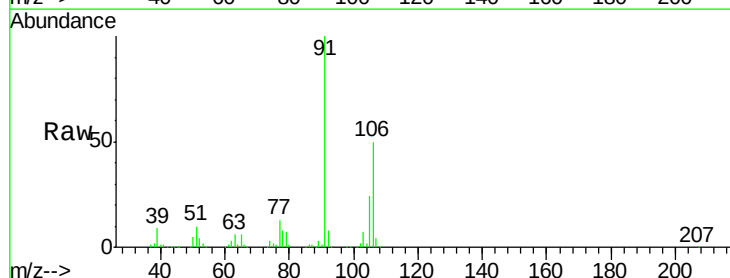
Manual Integrations
APPROVED

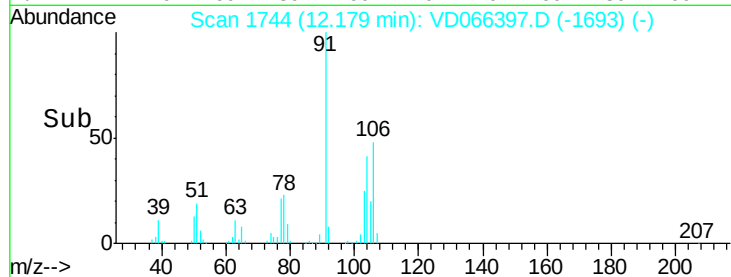
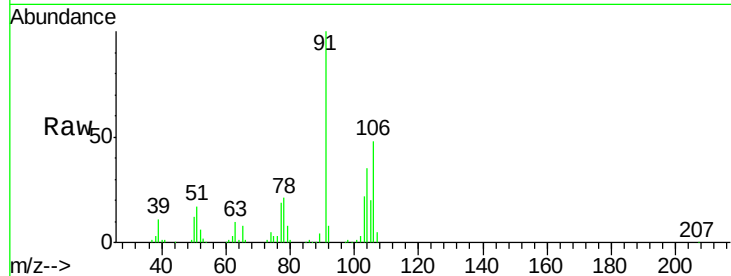
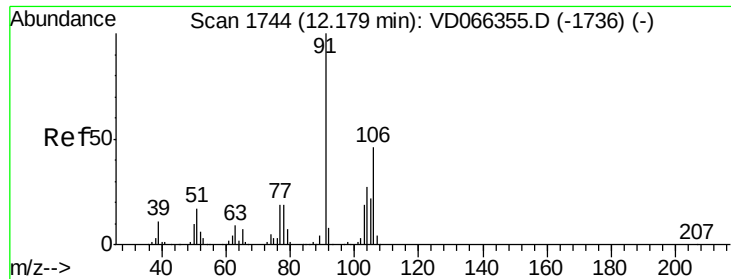
MMDadoda
8/26/2020 4:23:04 PM



#68
m/p-Xylenes
Concen: 37.312 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	148390		
91	205.5	160.7	241.1	





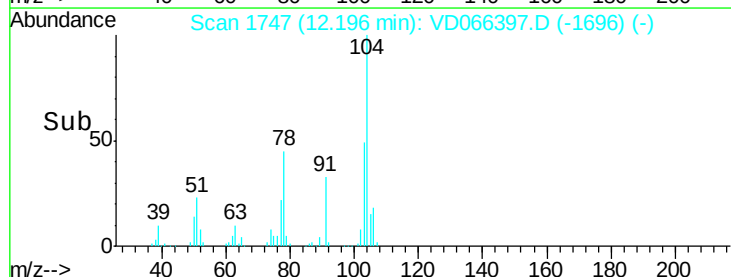
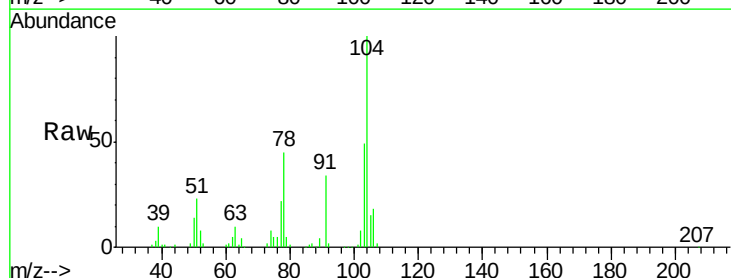
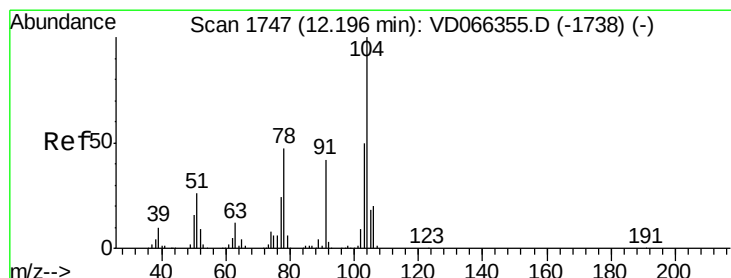
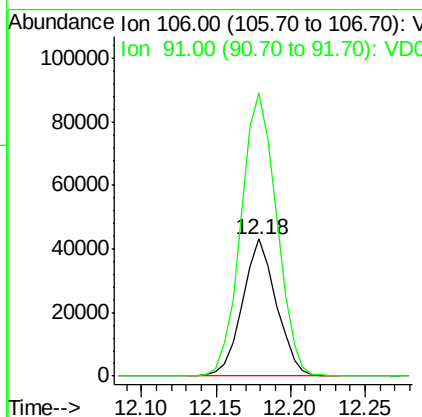
#69
o-Xylene
Concen: 18.354 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tot Ion:106 Resp: 67904
Ion Ratio Lower Upper
106 100
91 216.7 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

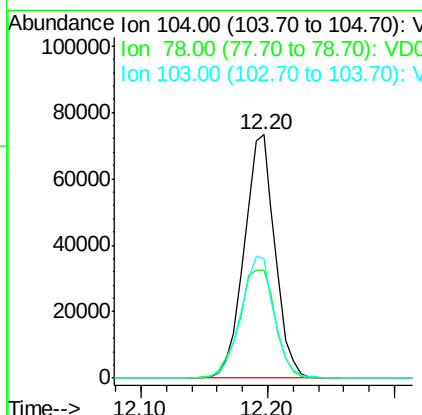
Manual Integrations
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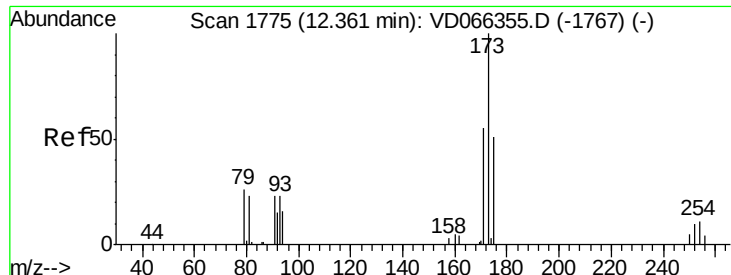
MMDadoda
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#70
Styrene
Concen: 19.366 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion:104 Resp: 123027
Ion Ratio Lower Upper
104 100
78 52.2 41.7 62.5
103 53.9 43.5 65.3





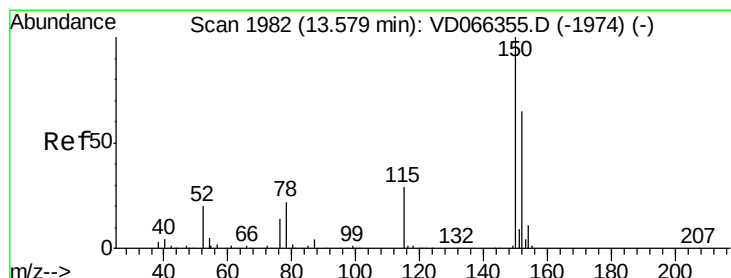
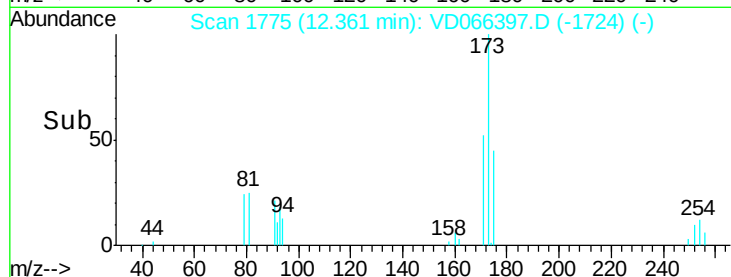
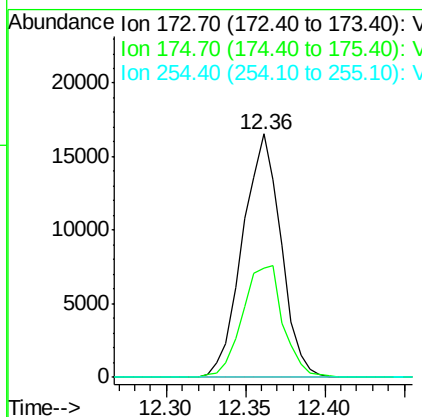
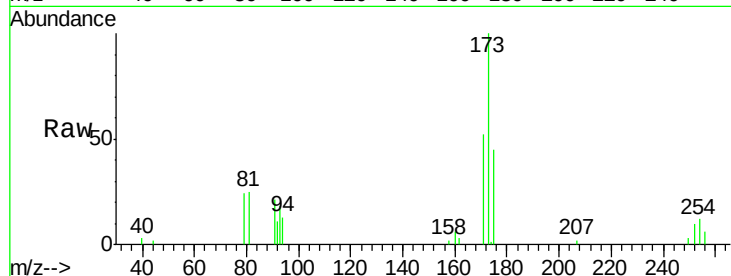
#71
Bromoform
Concen: 20.306 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.0	0.0	0.0

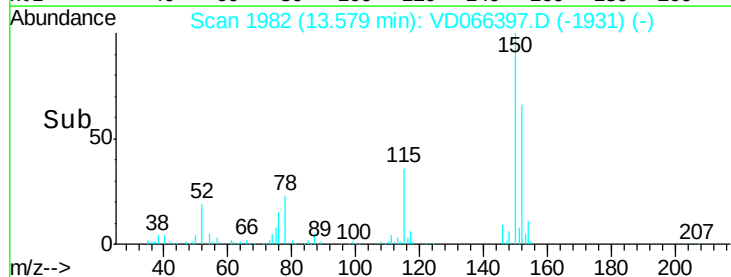
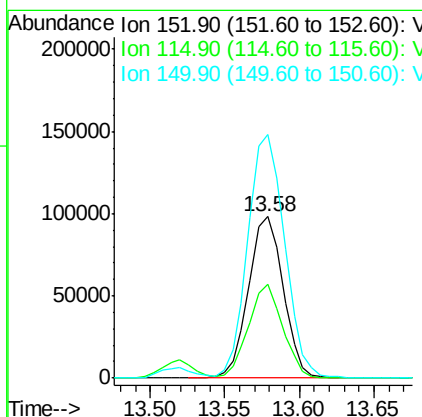
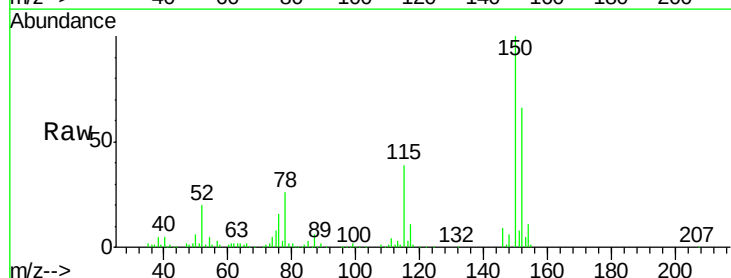
Manual Integrations
APPROVED

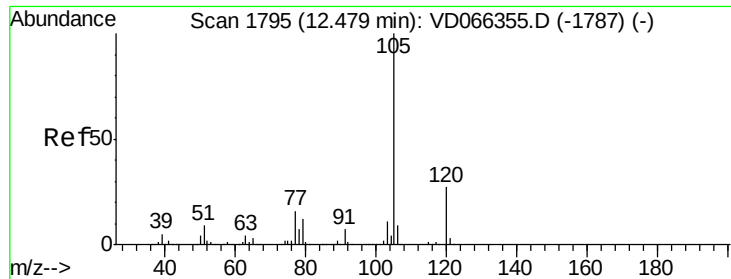
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	85.0
150	160.0	0.0	343.2





#73

Isopropylbenzene

Concen: 18.483 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion:105 Resp: 195731

Ion Ratio Lower Upper

105 100

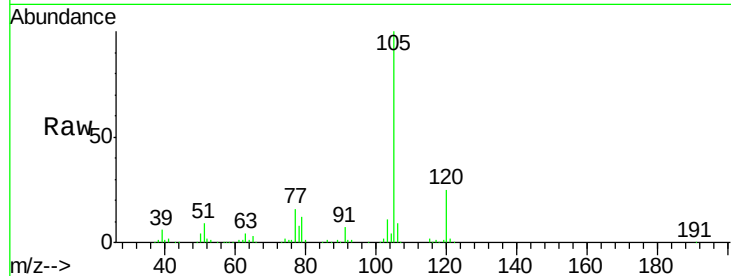
120 26.1 13.6 40.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

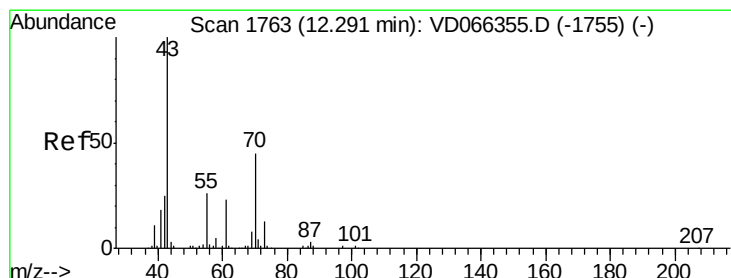
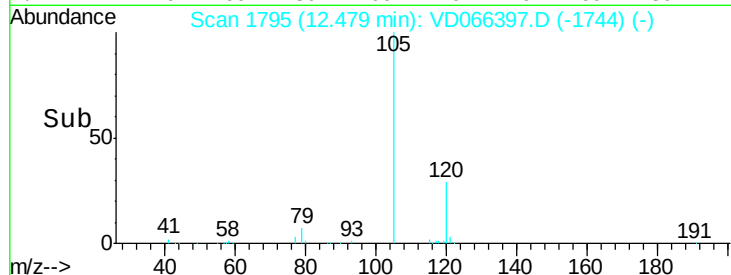
120000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 18.786 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion: 43 Resp: 35930

Ion Ratio Lower Upper

43 100

70 43.8 34.8 52.2

55 25.4 20.3 30.5

61 25.6 19.0 28.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

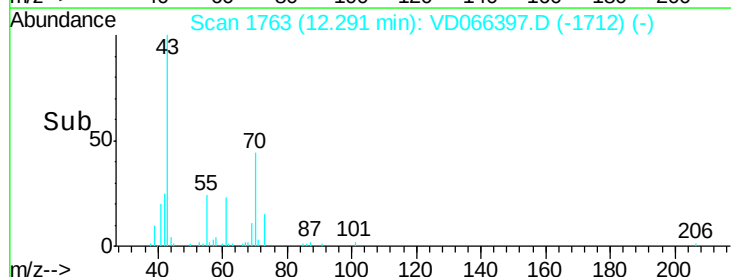
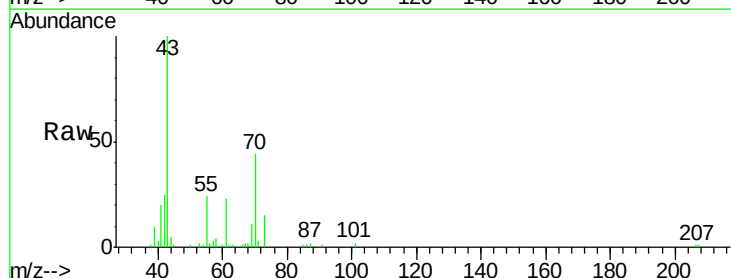
20000

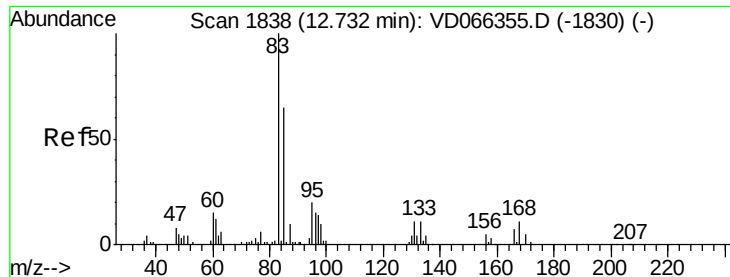
10000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.089 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 83 Resp: 28877

Ion Ratio Lower Upper

83 100

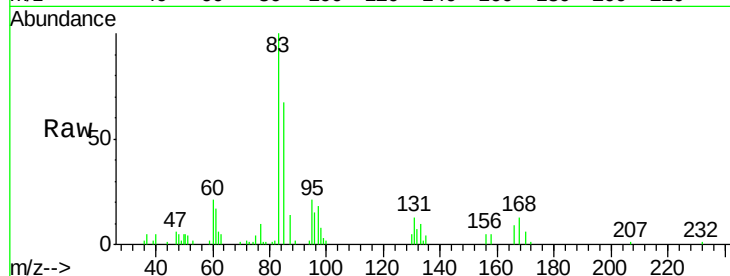
131 14.4 7.0 20.9

85 64.8 32.4 97.0

Manual Integrations
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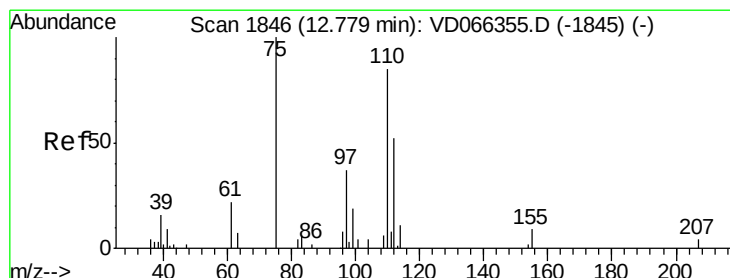
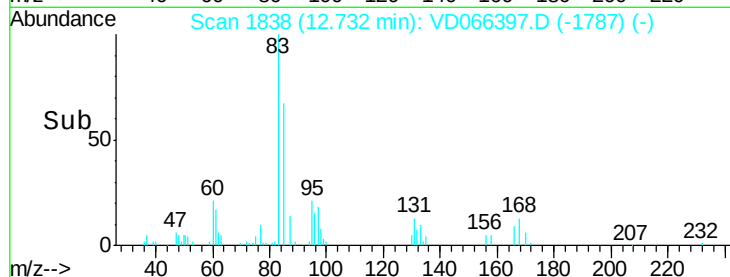
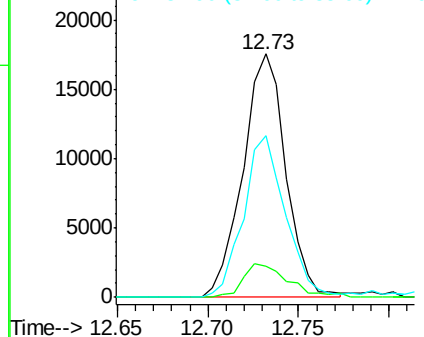
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 22.050 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VD066397.D

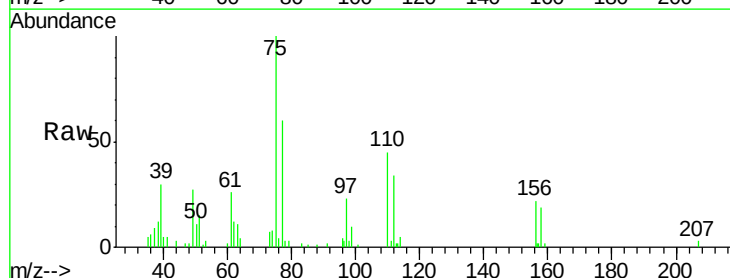
Acq: 25 Aug 2020 12:51

Tgt Ion: 75 Resp: 24522

Ion Ratio Lower Upper

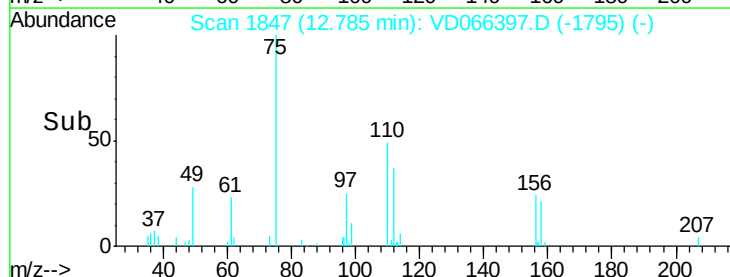
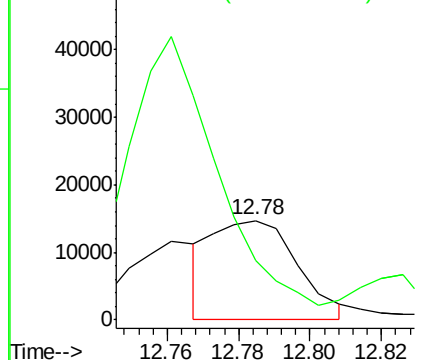
75 100

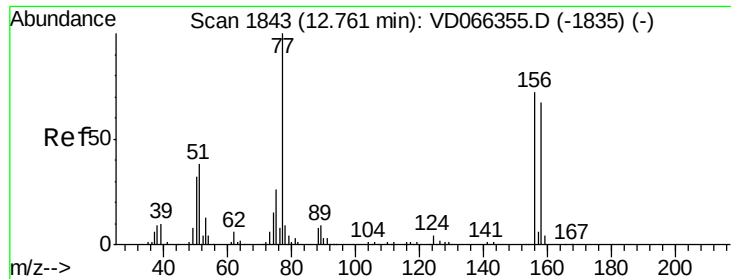
77 0.0 182.9 548.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.234 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion:156 Resp: 51698

Ion Ratio Lower Upper

156 100

77 149.2 76.1 228.3

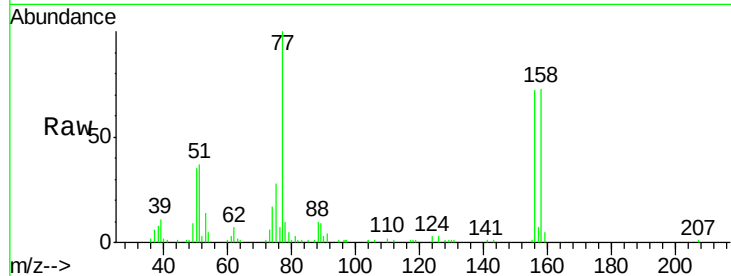
158 97.4 47.6 142.9

Manual Integrations

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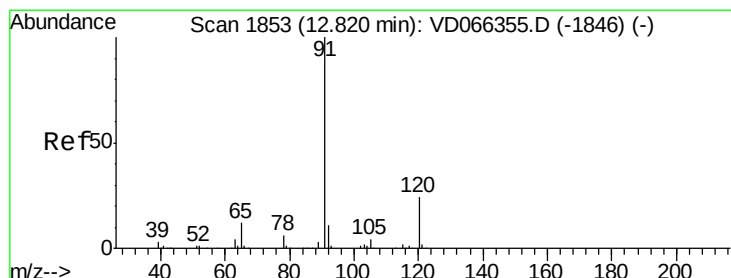
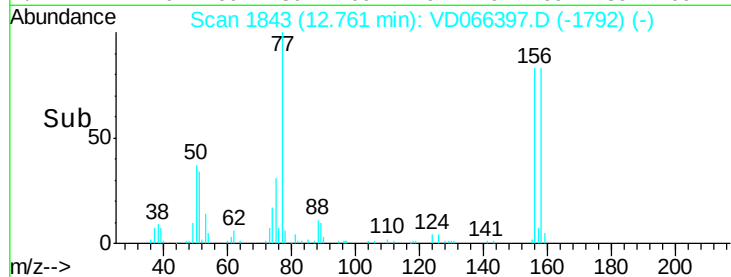
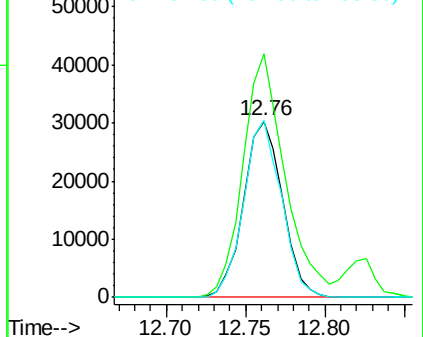
8/26/2020 4:23:04 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.964 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066397.D

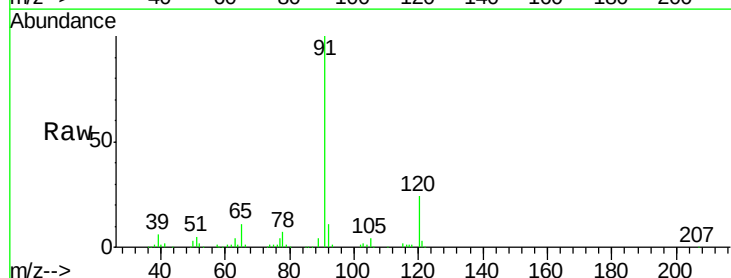
Acq: 25 Aug 2020 12:51

Tgt Ion: 91 Resp: 218128

Ion Ratio Lower Upper

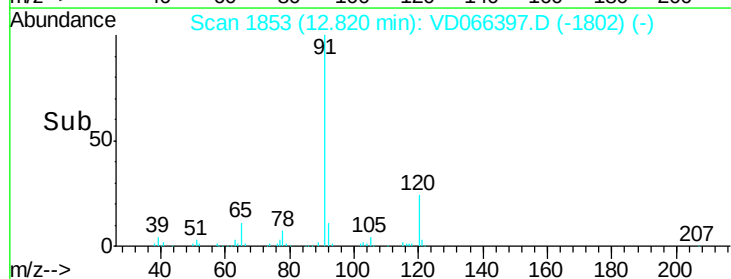
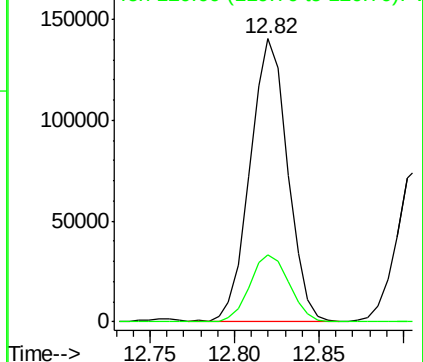
91 100

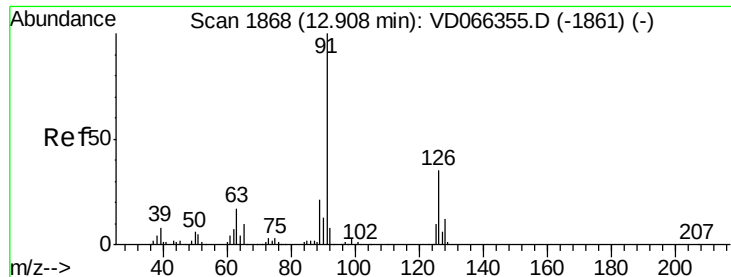
120 24.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.288 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion: 91 Resp: 126825

Ion Ratio Lower Upper

91 100

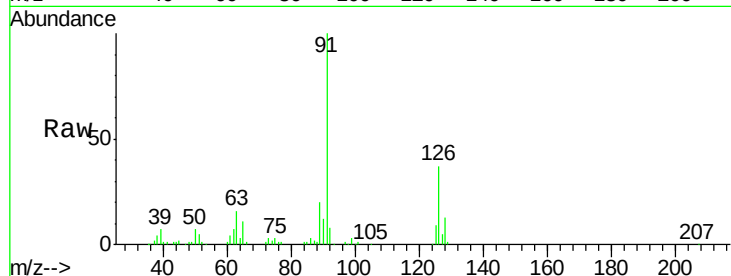
126 35.7 17.7 53.1

Manual Integrations

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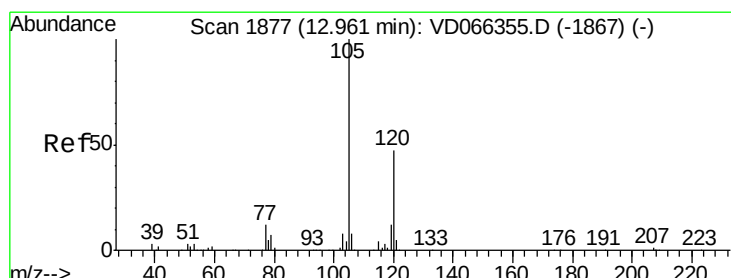
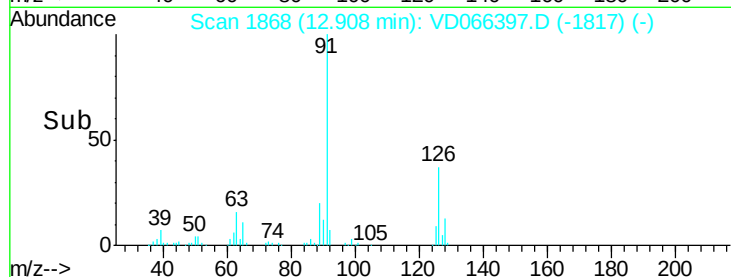
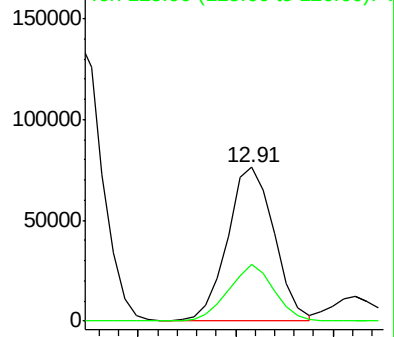
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.404 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066397.D

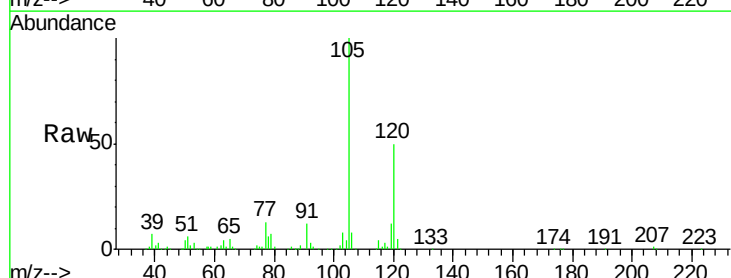
Acq: 25 Aug 2020 12:51

Tgt Ion:105 Resp: 168272

Ion Ratio Lower Upper

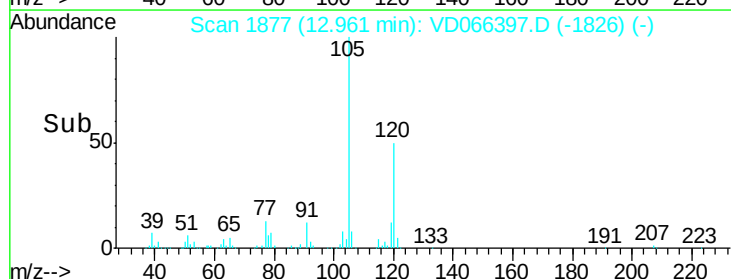
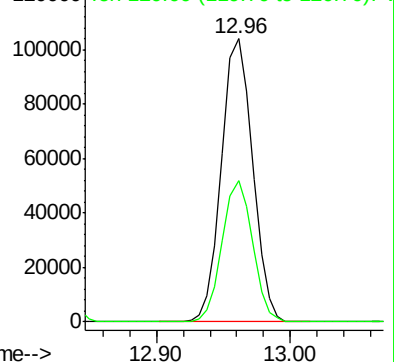
105 100

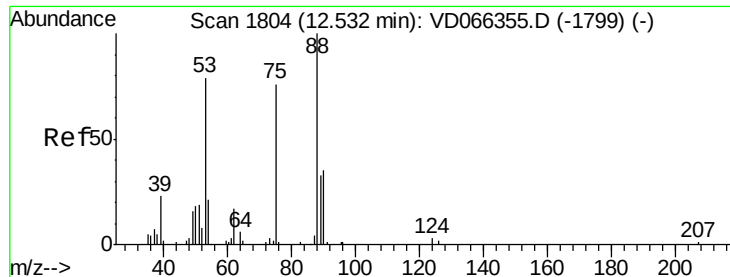
120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.085 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

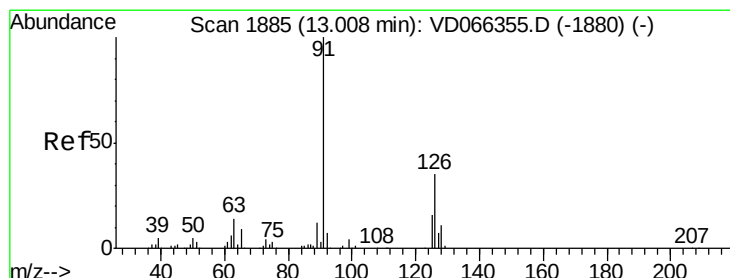
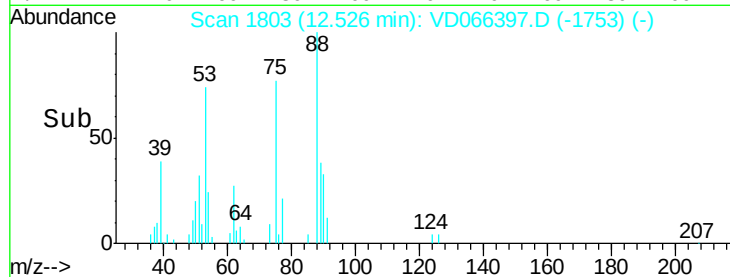
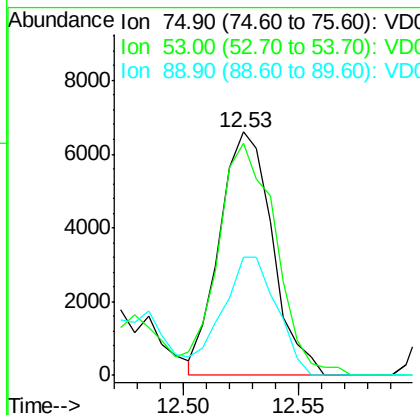
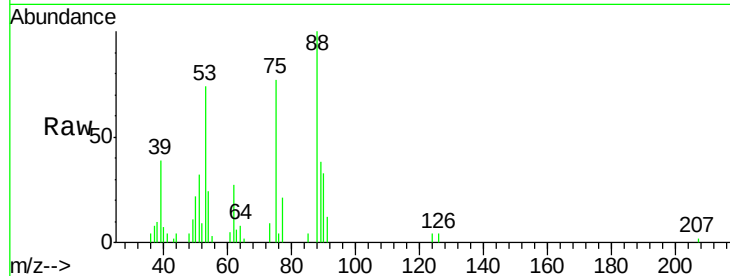
ClientSampleId :

VD0825SBSD01

Tot Ion:	75	Resp:	10523
Ion	Ratio	Lower	Upper
75	100		
53	104.8	87.4	131.2
89	49.9	39.4	59.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.540 ug/l

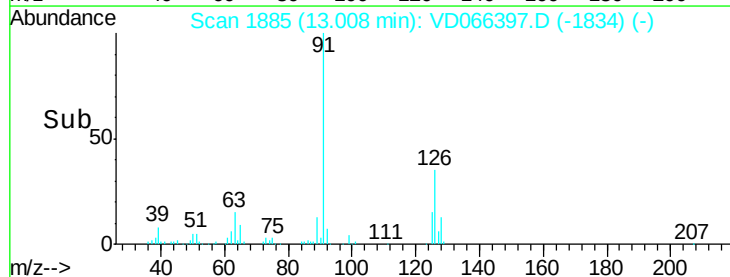
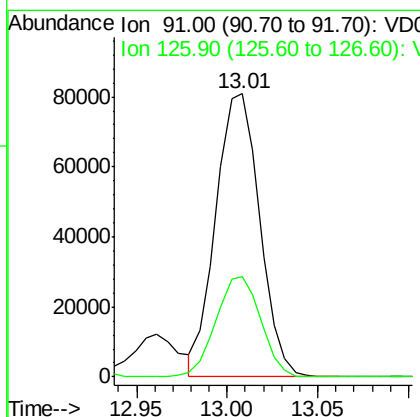
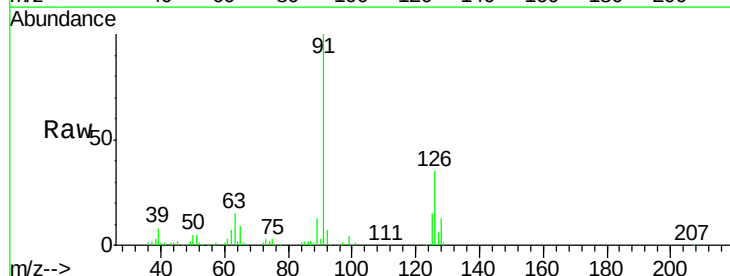
RT: 13.01 min Scan# 1885

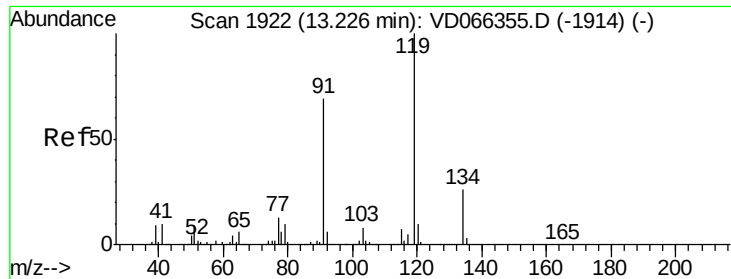
Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion:	91	Resp:	136223
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.4	52.2





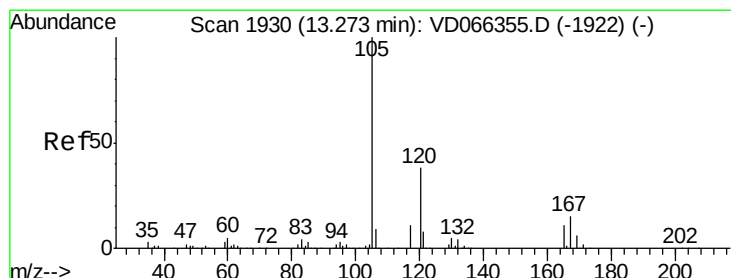
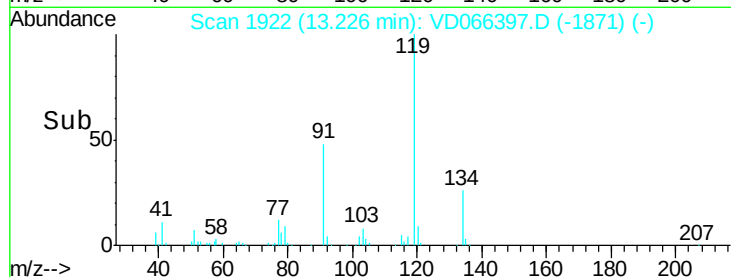
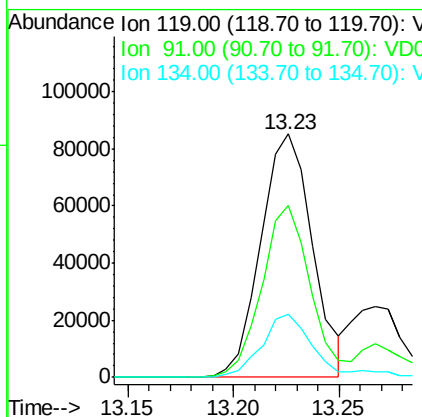
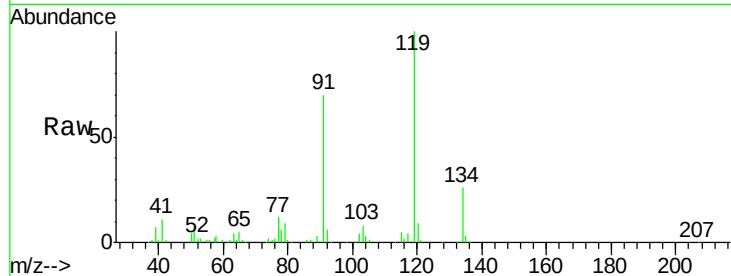
#83
 tert-Butylbenzene
 Concen: 18.244 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	144893		
91	67.1		33.5	100.5
134	24.7		13.5	40.4

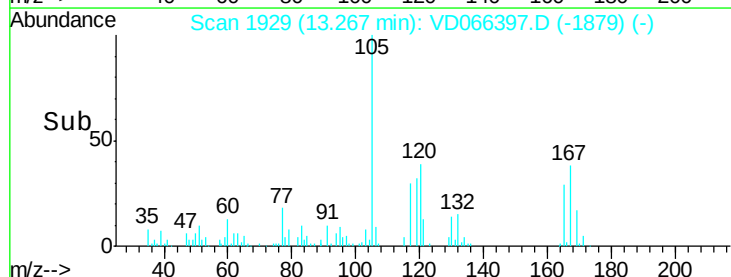
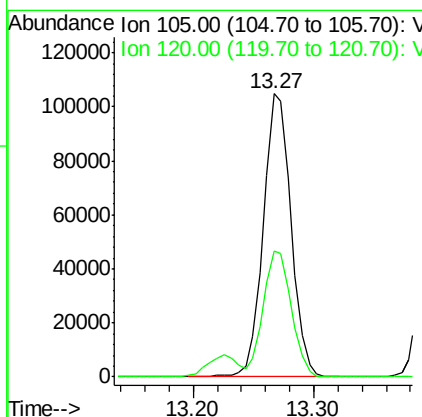
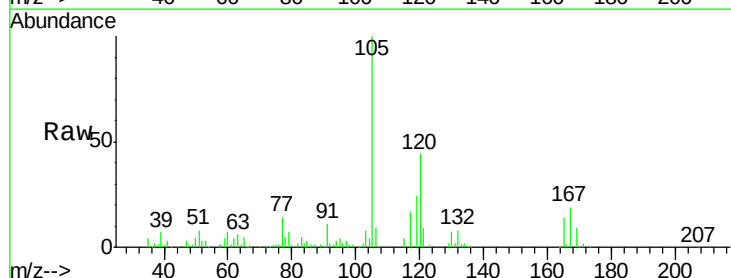
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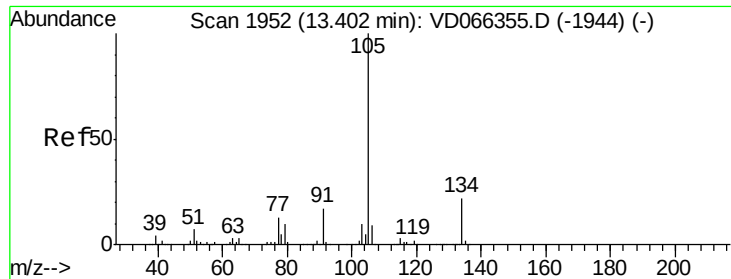
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.702 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167958		
120	44.8		22.6	67.7





#85

sec-Butylbenzene

Concen: 18.770 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

ClientSampleId :

VD0825SBS01

Tot Ion:105 Resp: 195308

Ion Ratio Lower Upper

105 100

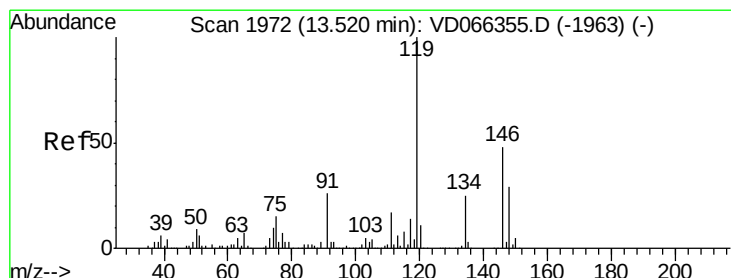
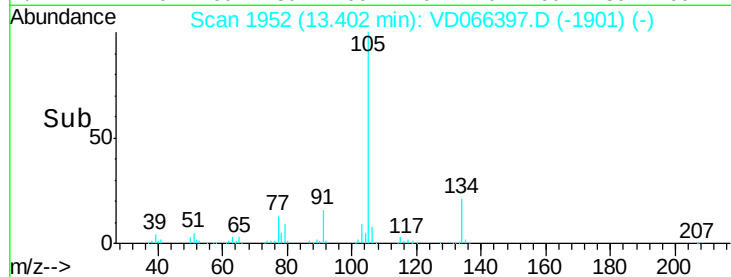
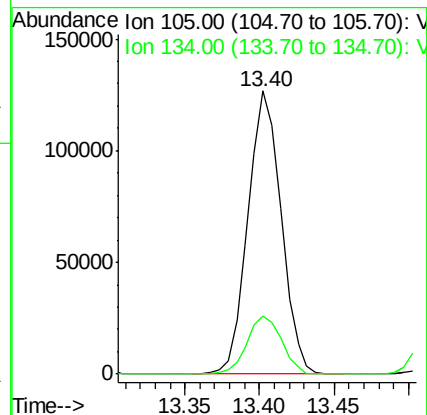
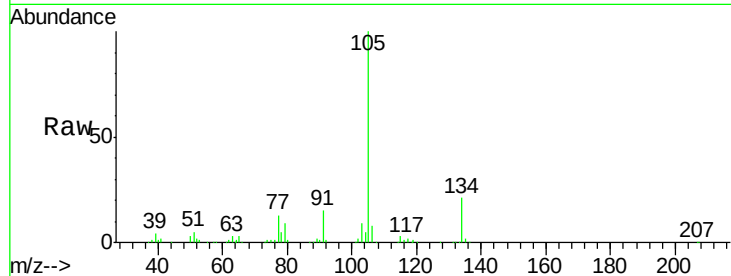
134 21.3 10.8 32.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.523 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

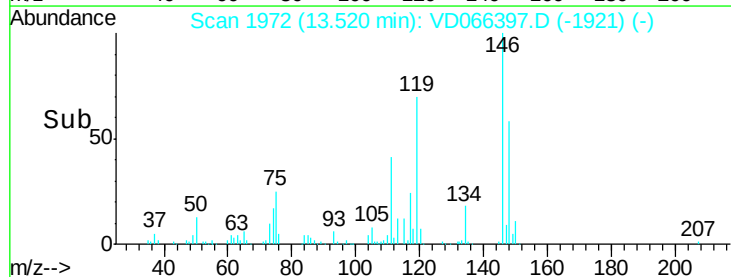
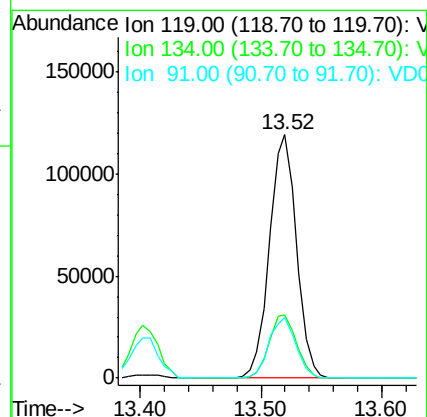
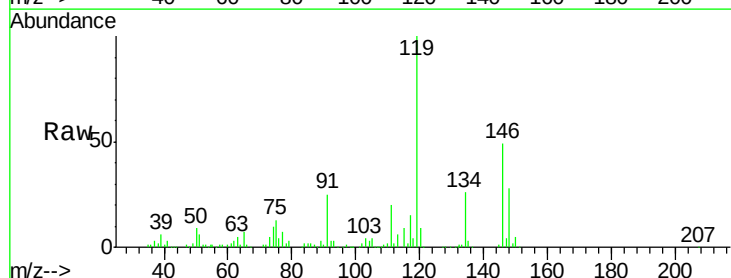
Tgt Ion:119 Resp: 185844

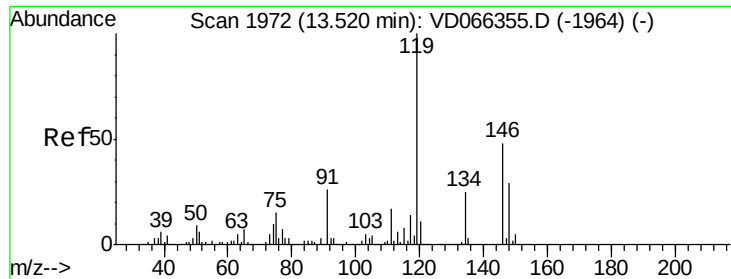
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

91 24.9 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.720 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Instrument :

MSVOA_D

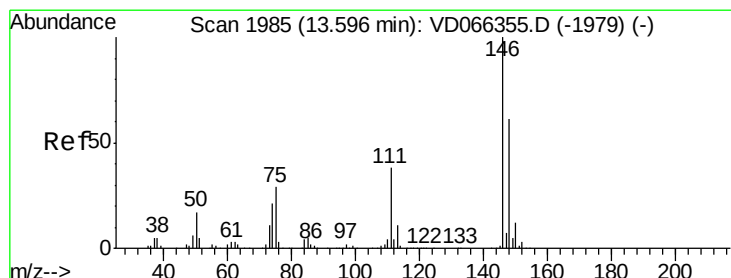
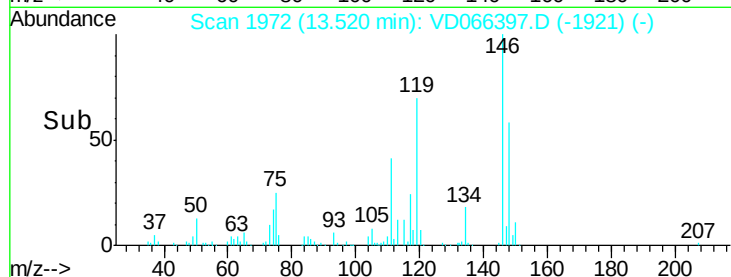
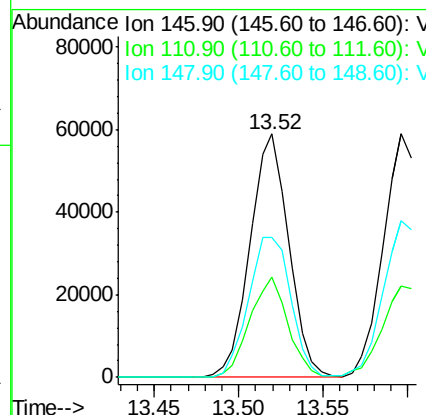
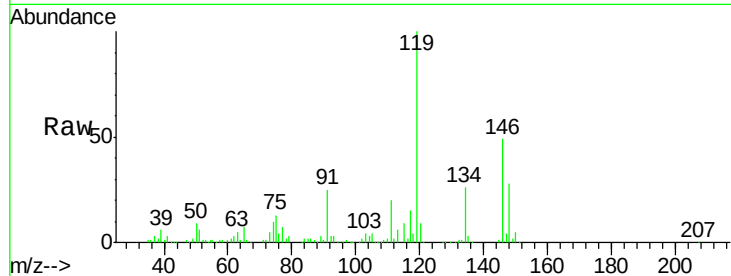
ClientSampleId :

VD0825SBS01

Tot Ion:	146	Resp:	93922
Ion Ratio	Lower	Upper	
146	100		
111	40.8	18.9	56.9
148	63.5	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.083 ug/l

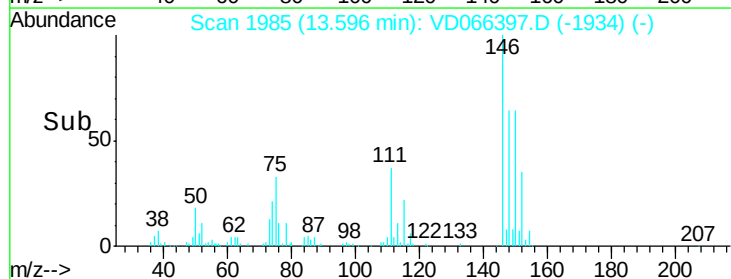
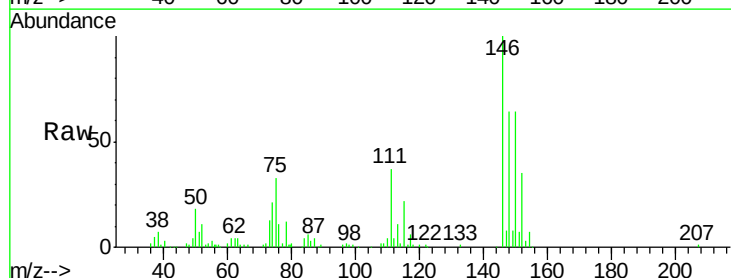
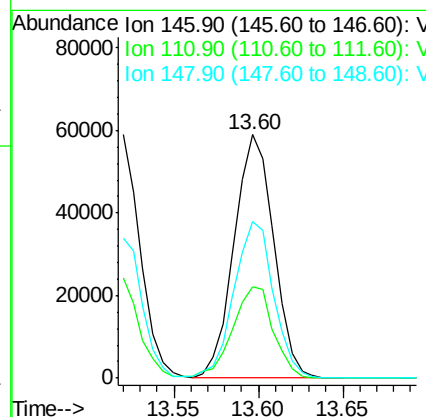
RT: 13.60 min Scan# 1985

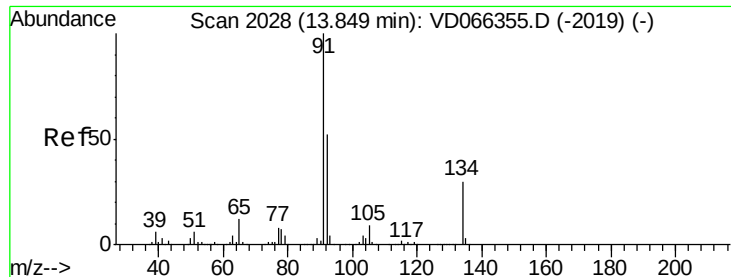
Delta R.T. -0.00 min

Lab File: VD066397.D

Acq: 25 Aug 2020 12:51

Tgt Ion:	146	Resp:	96132
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.5
148	64.5	32.1	96.3





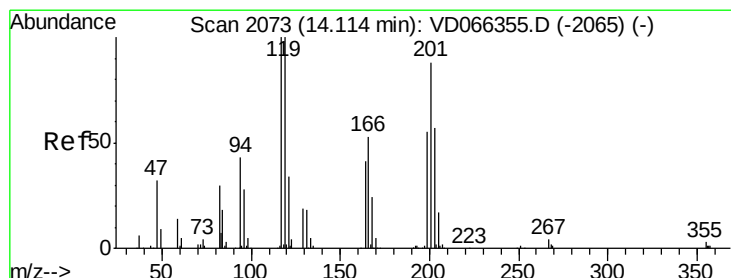
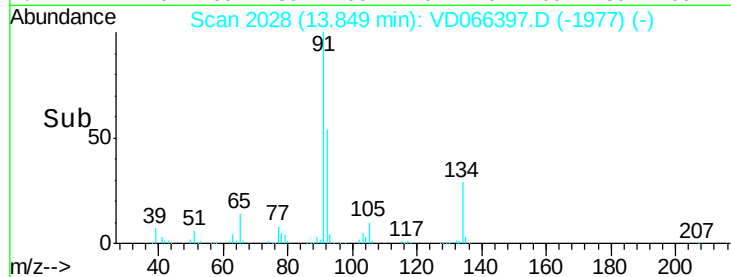
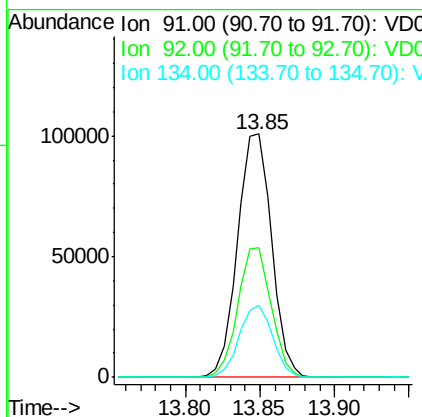
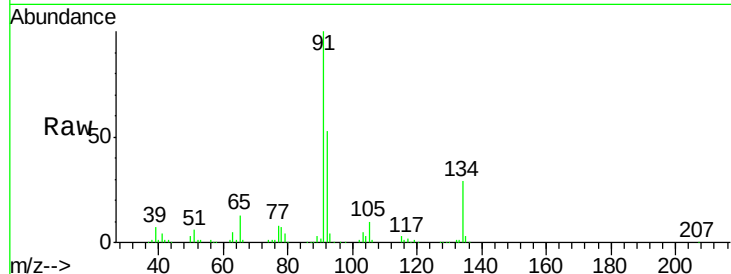
#89
n-Butylbenzene
Concen: 18.090 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	160164		
92	52.1		26.4	79.0
134	28.8		14.4	43.4

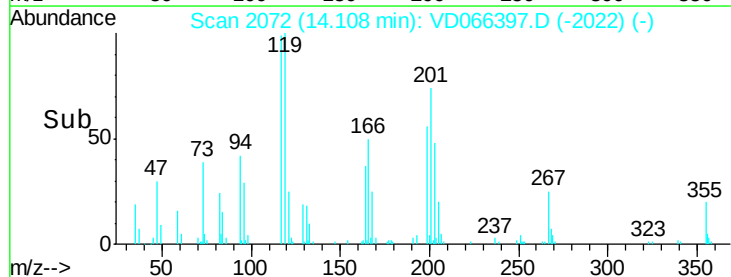
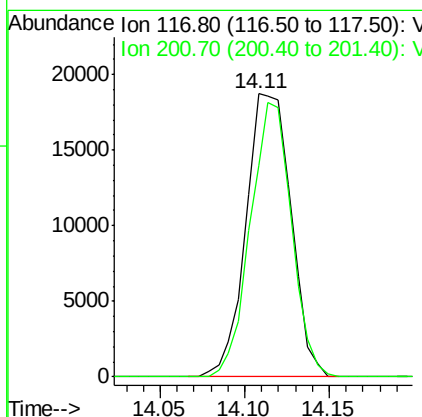
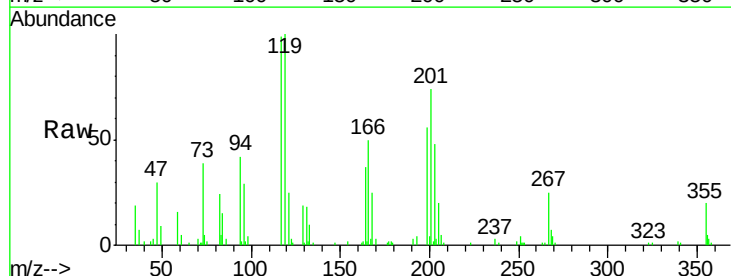
Manual Integrations
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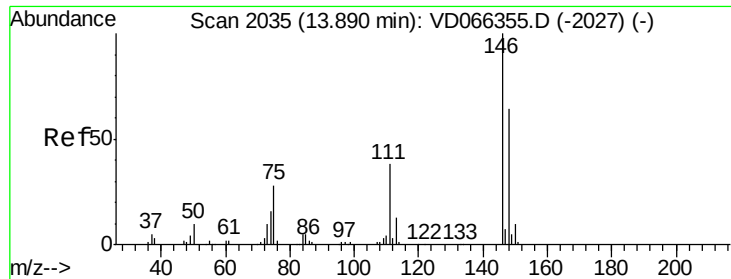
MMDadoda
8/26/2020 4:23:04 PM



#90
Hexachloroethane
Concen: 17.556 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.01 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34796		
201	88.4		45.4	136.2





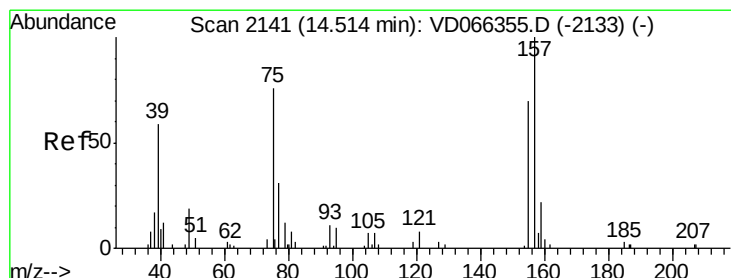
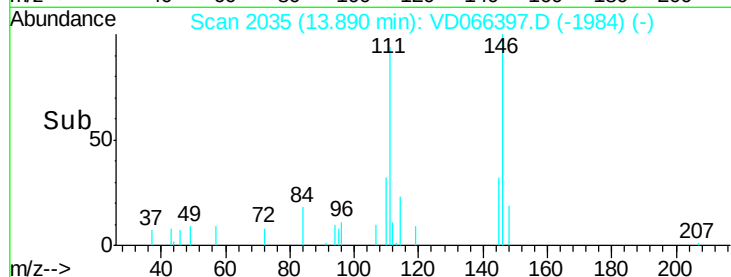
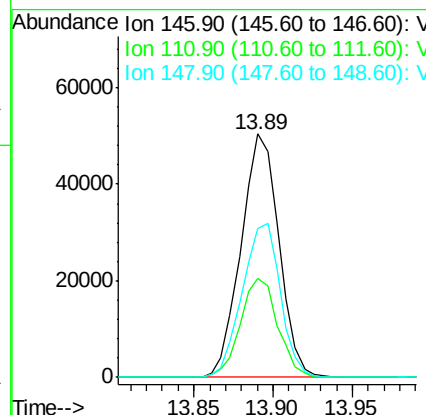
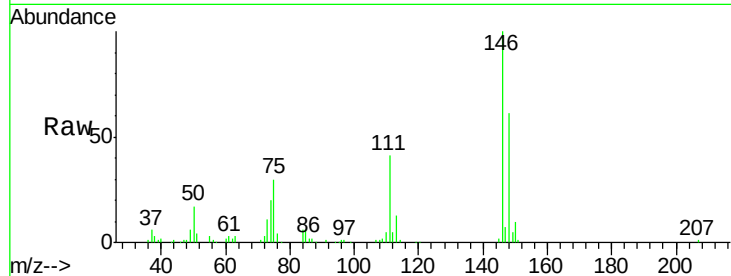
#91
 1,2-Dichlorobenzene
 Concen: 19.369 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.3	32.6	97.8

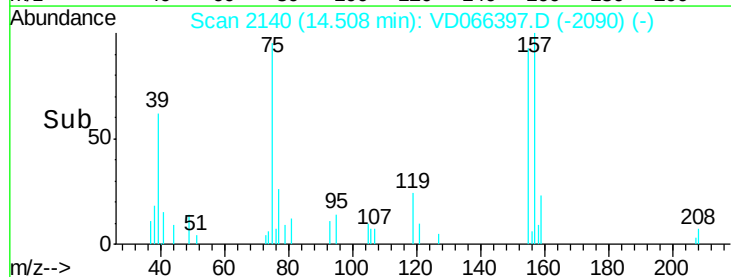
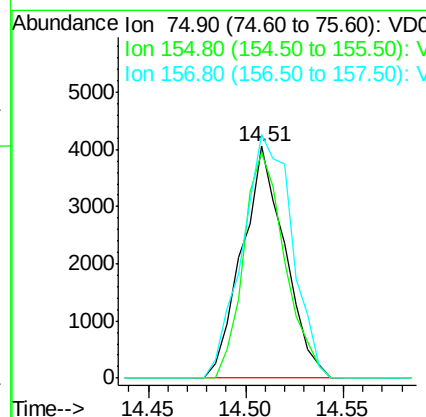
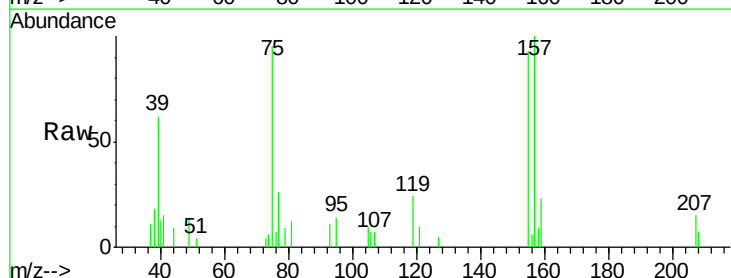
Manual Integrations
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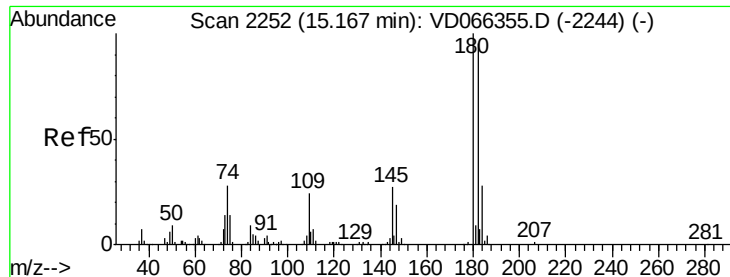
MMDadoda
 8/26/2020 4:23:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.453 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	46.9	140.6
157	121.9	61.0	183.0





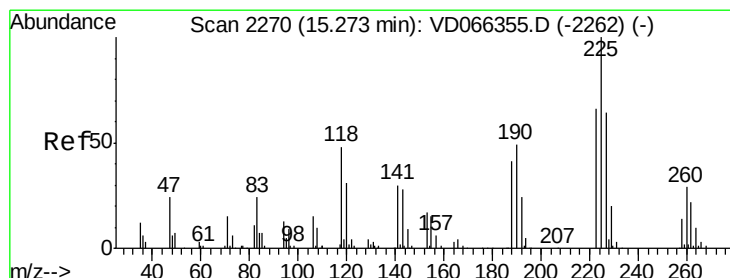
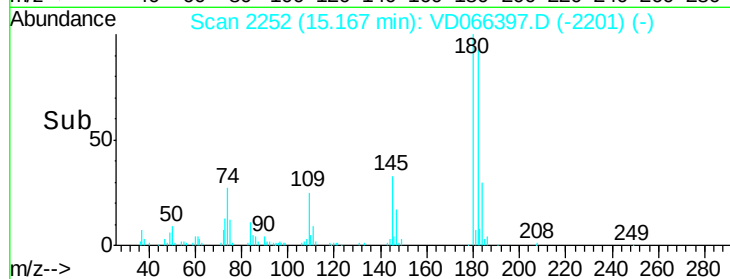
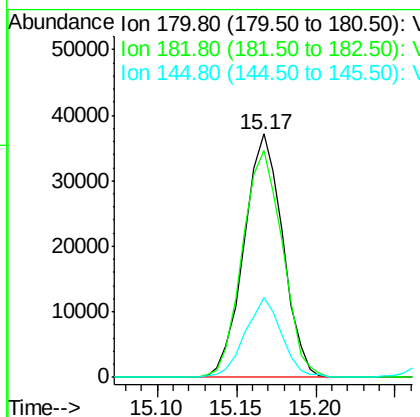
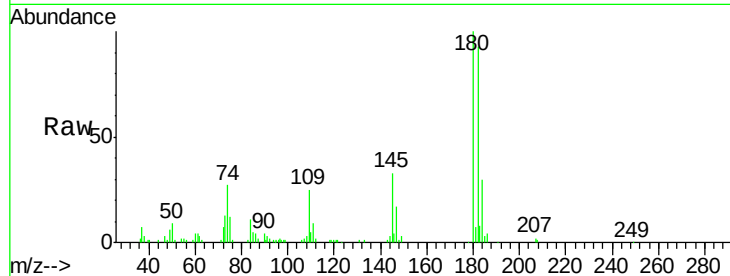
#93
 1,2,4-Trichlorobenzene
 Concen: 18.676 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0825SBS01

Tot Ion:	180	Resp:	62976
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.0	144.0
145	31.0	15.2	45.6

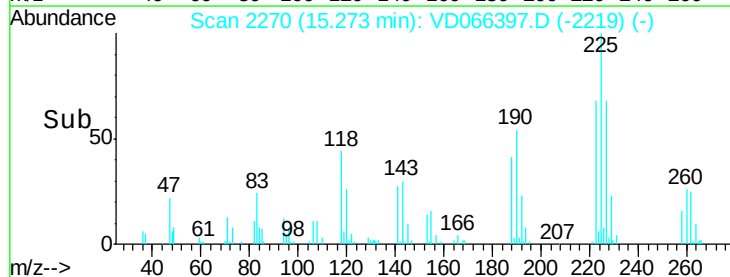
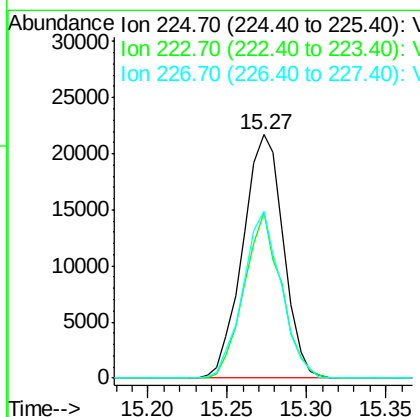
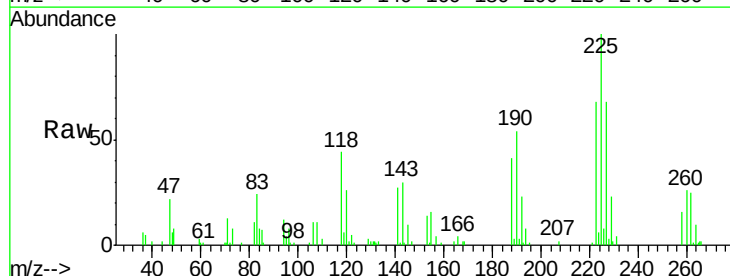
Manual Integrations
 APPROVED

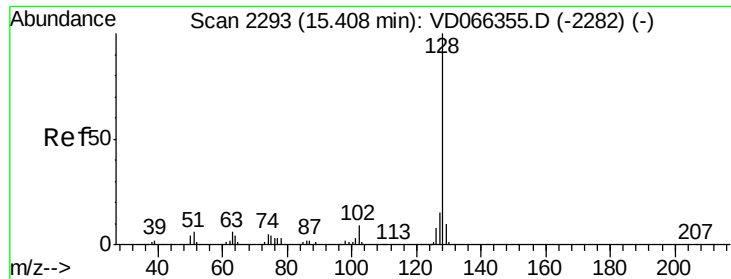
MMDadoda
 8/26/2020 4:23:04 PM



#94
 Hexachlorobutadiene
 Concen: 18.412 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066397.D
 Acq: 25 Aug 2020 12:51

Tgt Ion:	225	Resp:	38582
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.5	97.4
227	64.3	33.0	98.9





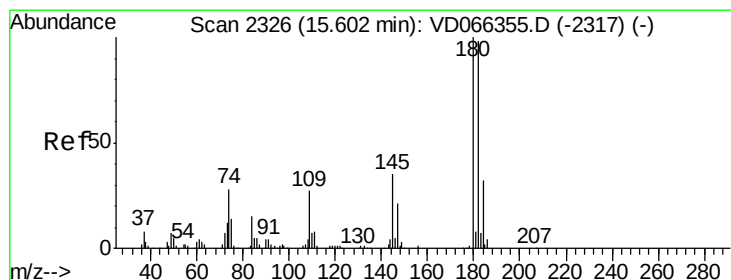
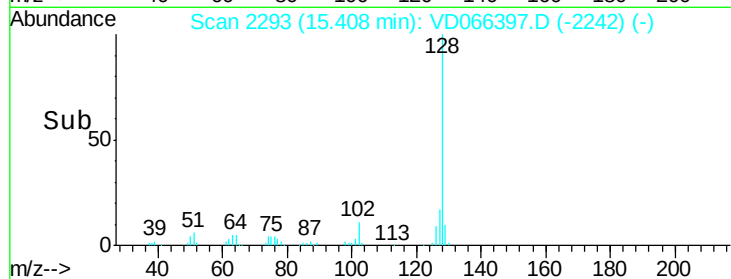
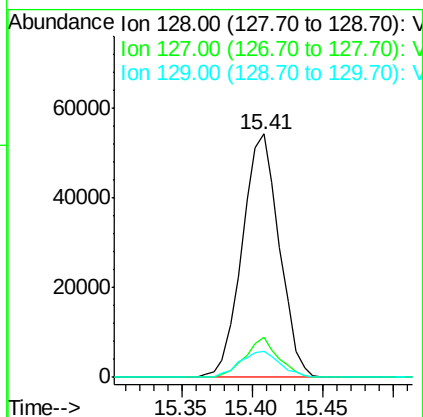
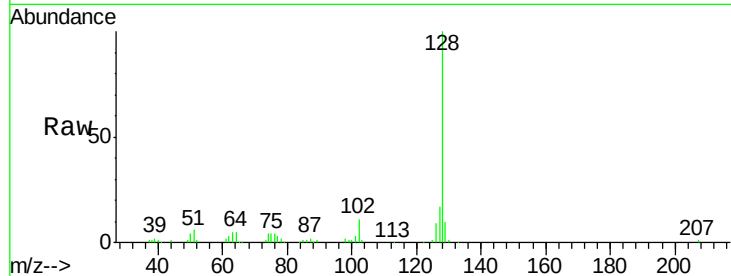
#95
Naphthalene
Concen: 18.895 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Instrument :
MSVOA_D
ClientSampleId :
VD0825SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.7	16.1
129	11.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/26/2020 4:23:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.724 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066397.D
Acq: 25 Aug 2020 12:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	46.7	140.0
145	33.1	16.0	48.0

